

Program EVALPLOT  
(Version 2021-1)

by

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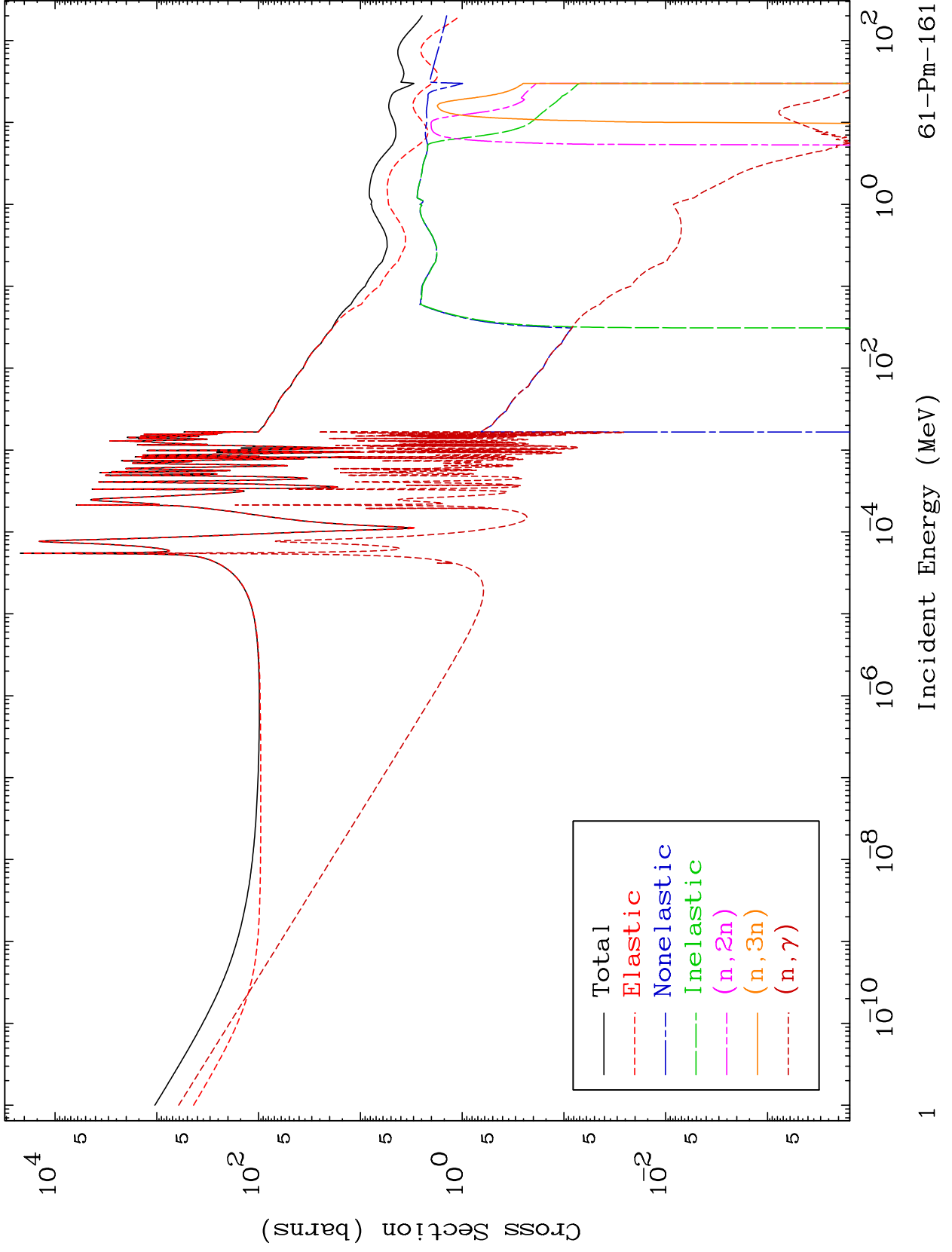
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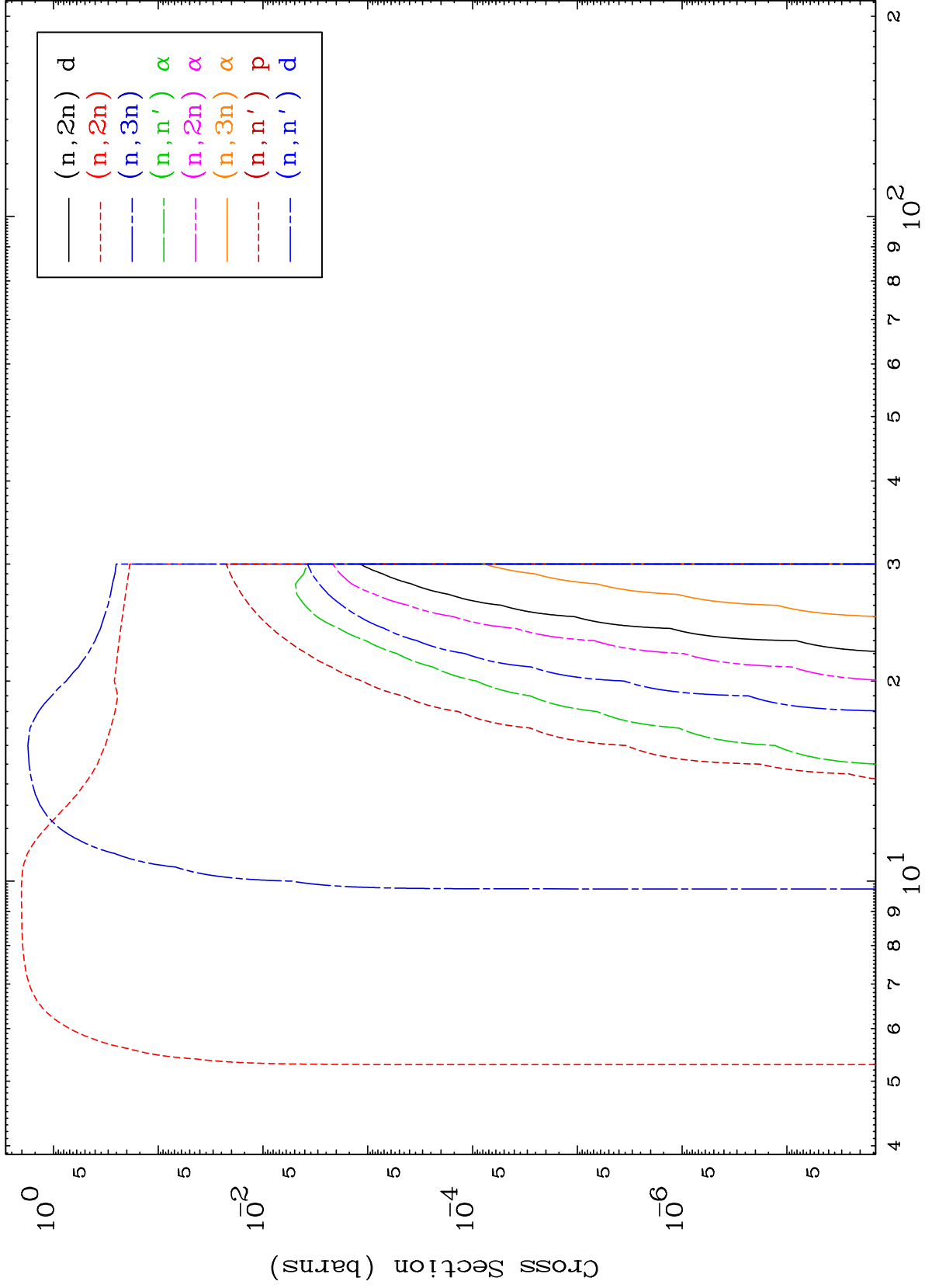
Press Mouse Button to Start

MAT 6191

Neutron Major  
293 Kelvin Cross Sections

61-Pm-161

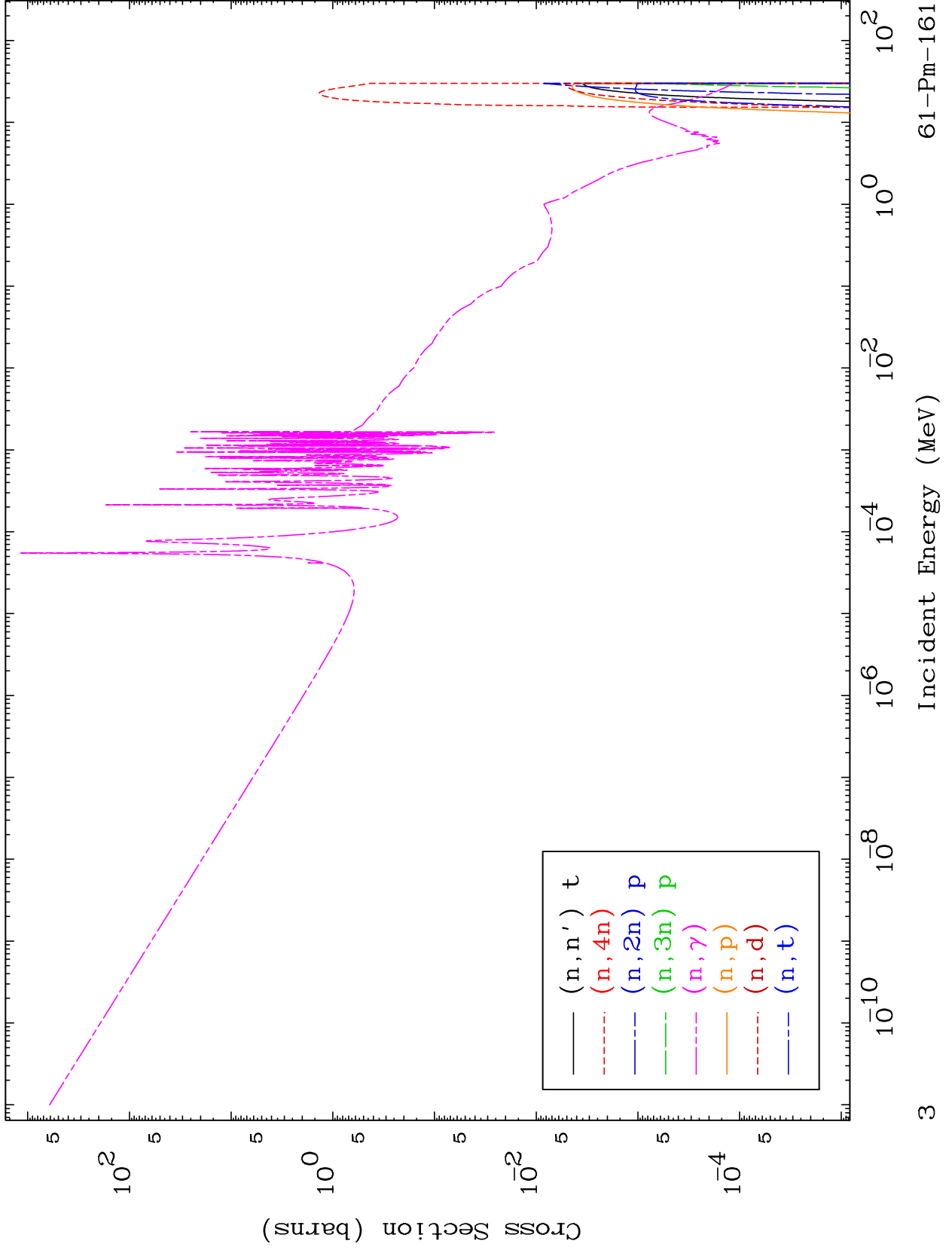


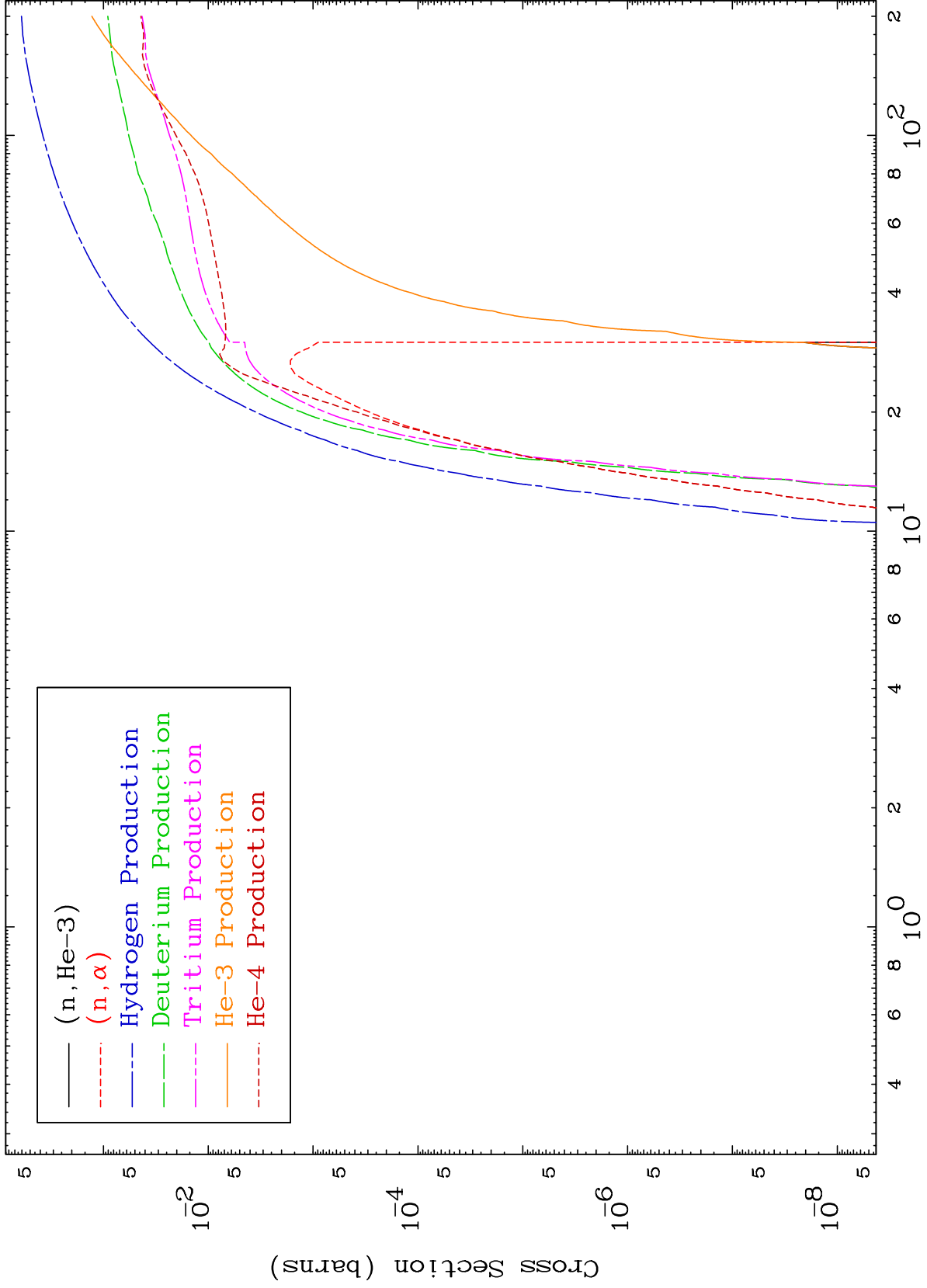


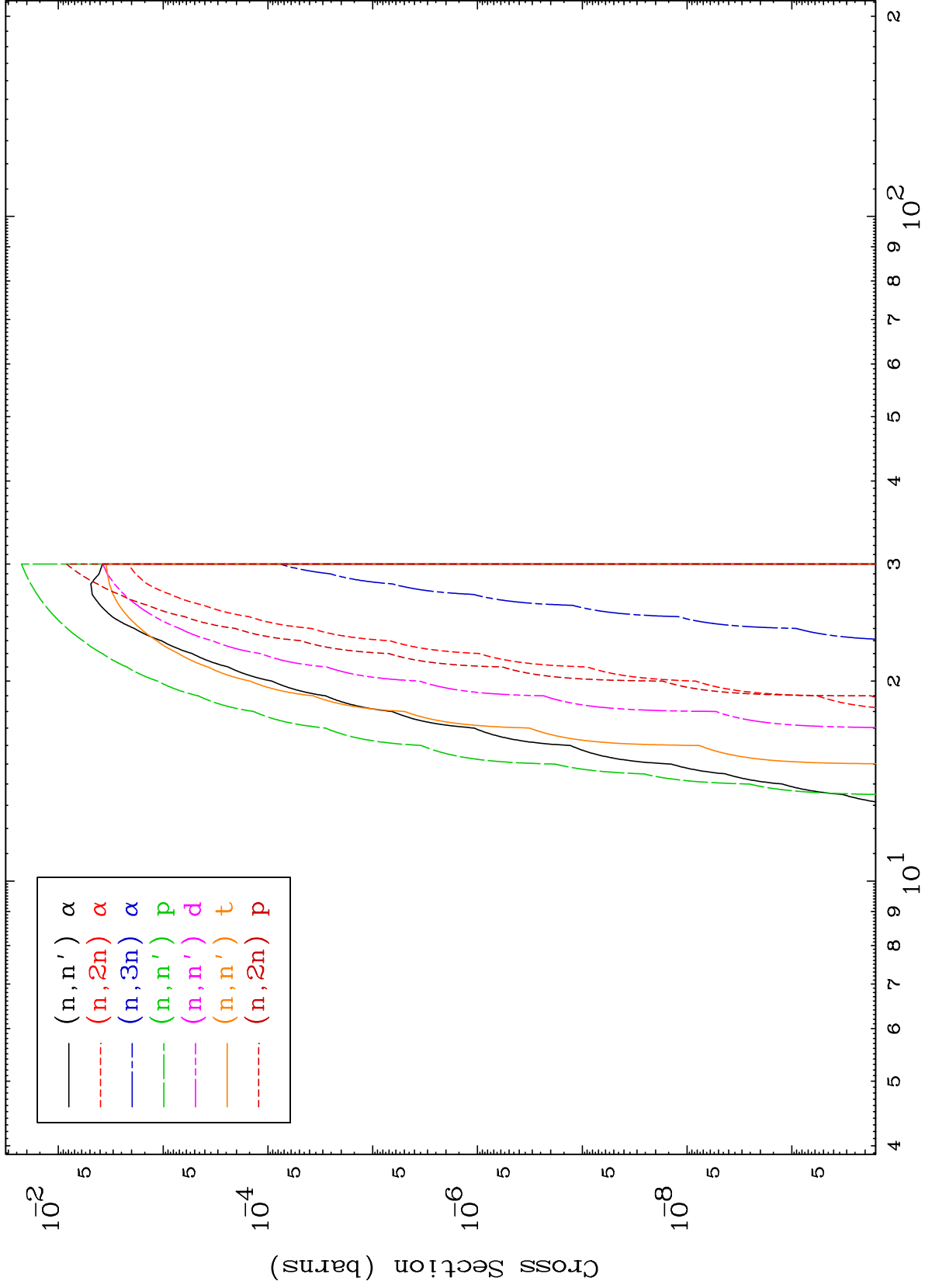
MAT 6191

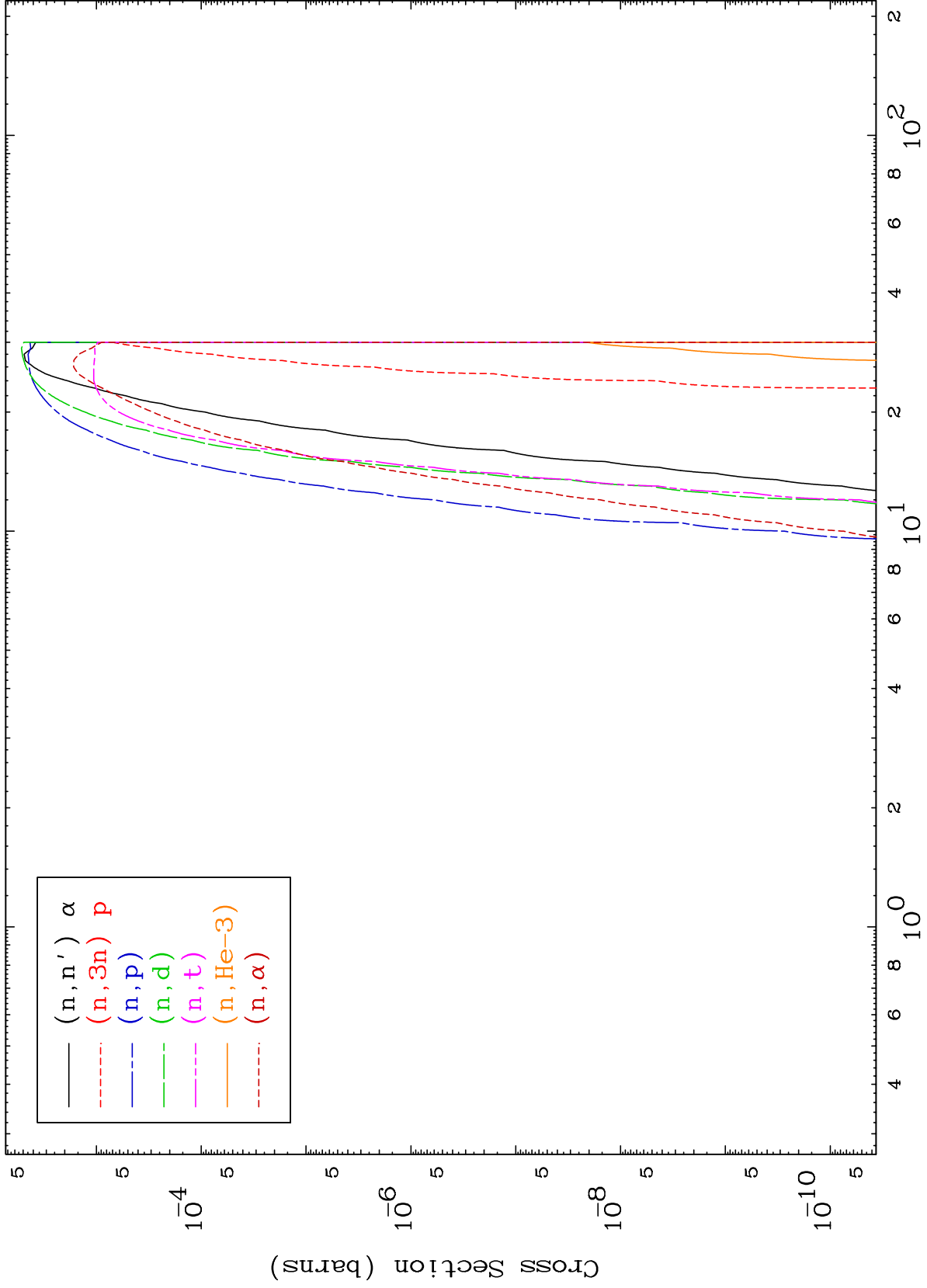
Neutron Absorption  
293 Kelvin Cross Sections

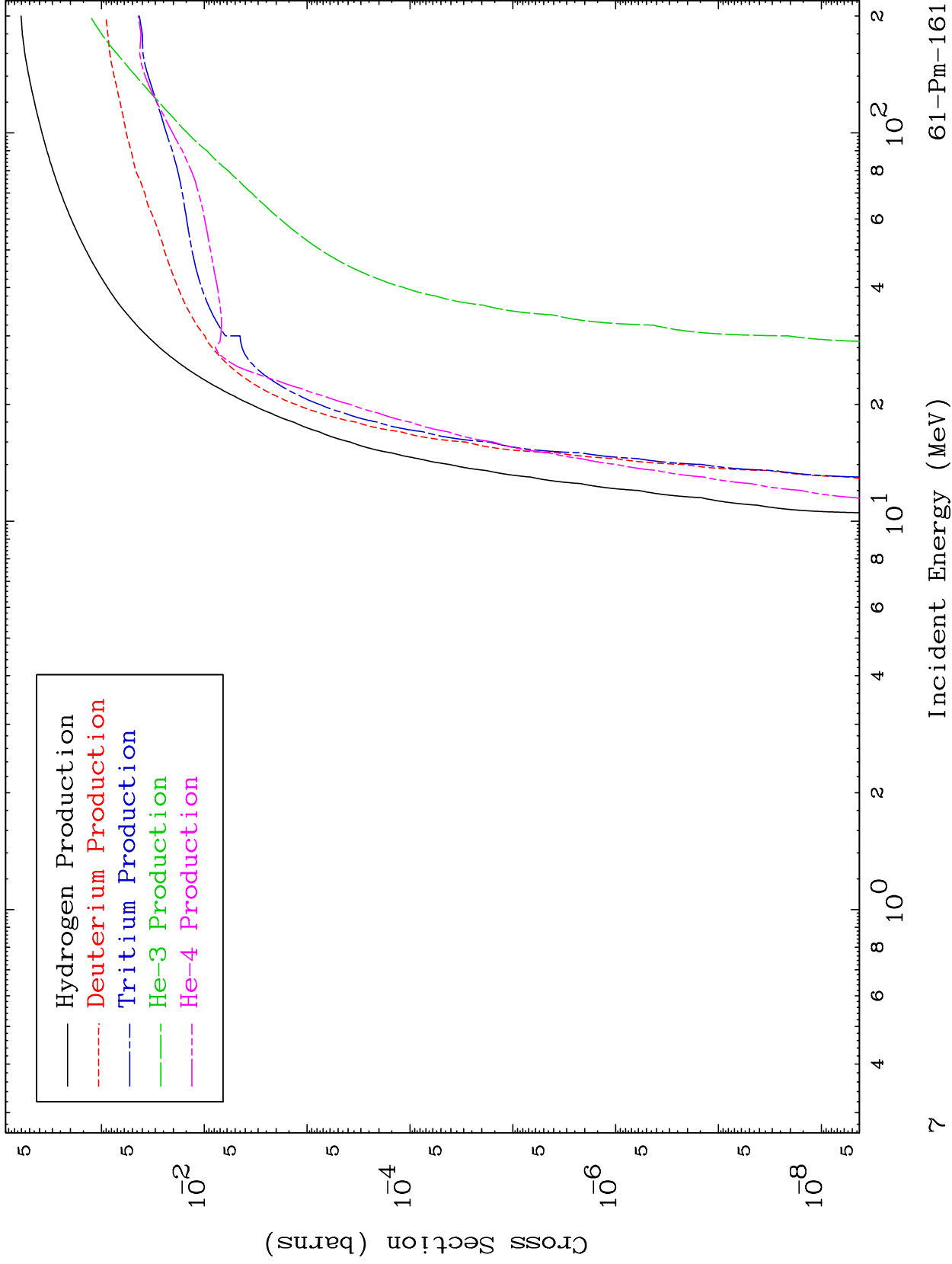
61-Pm-161



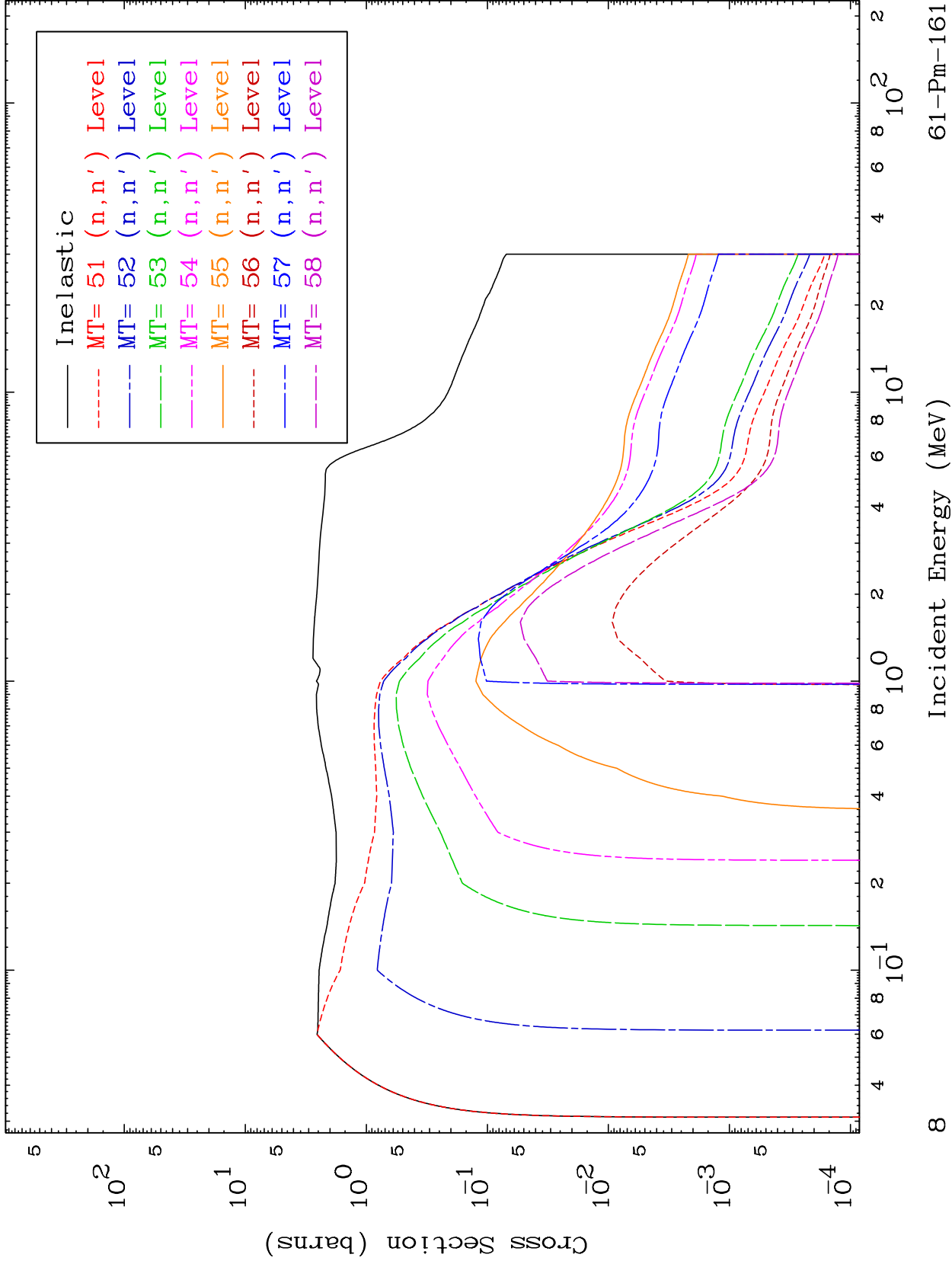








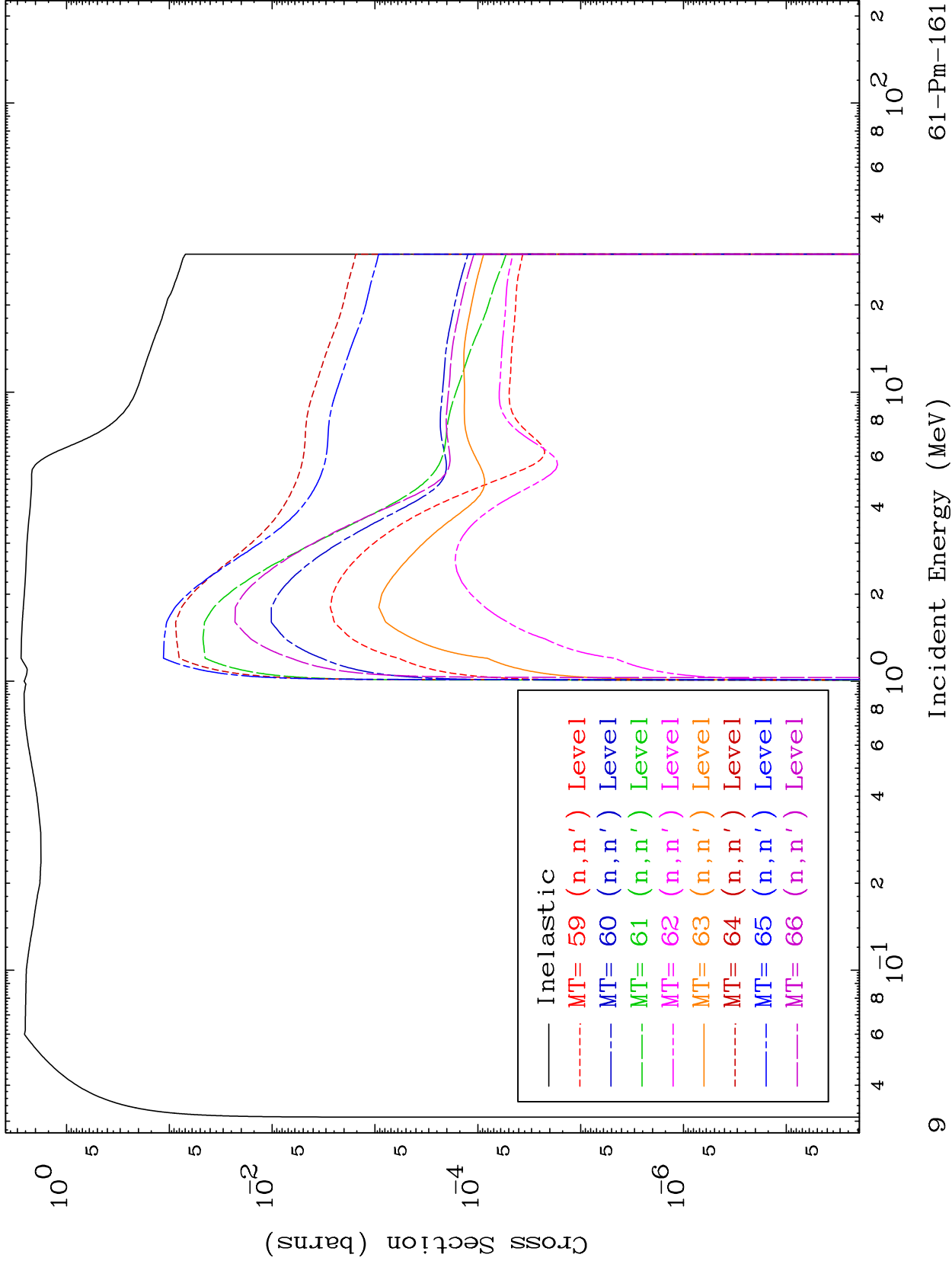




MAT 6191

61-Pm-161

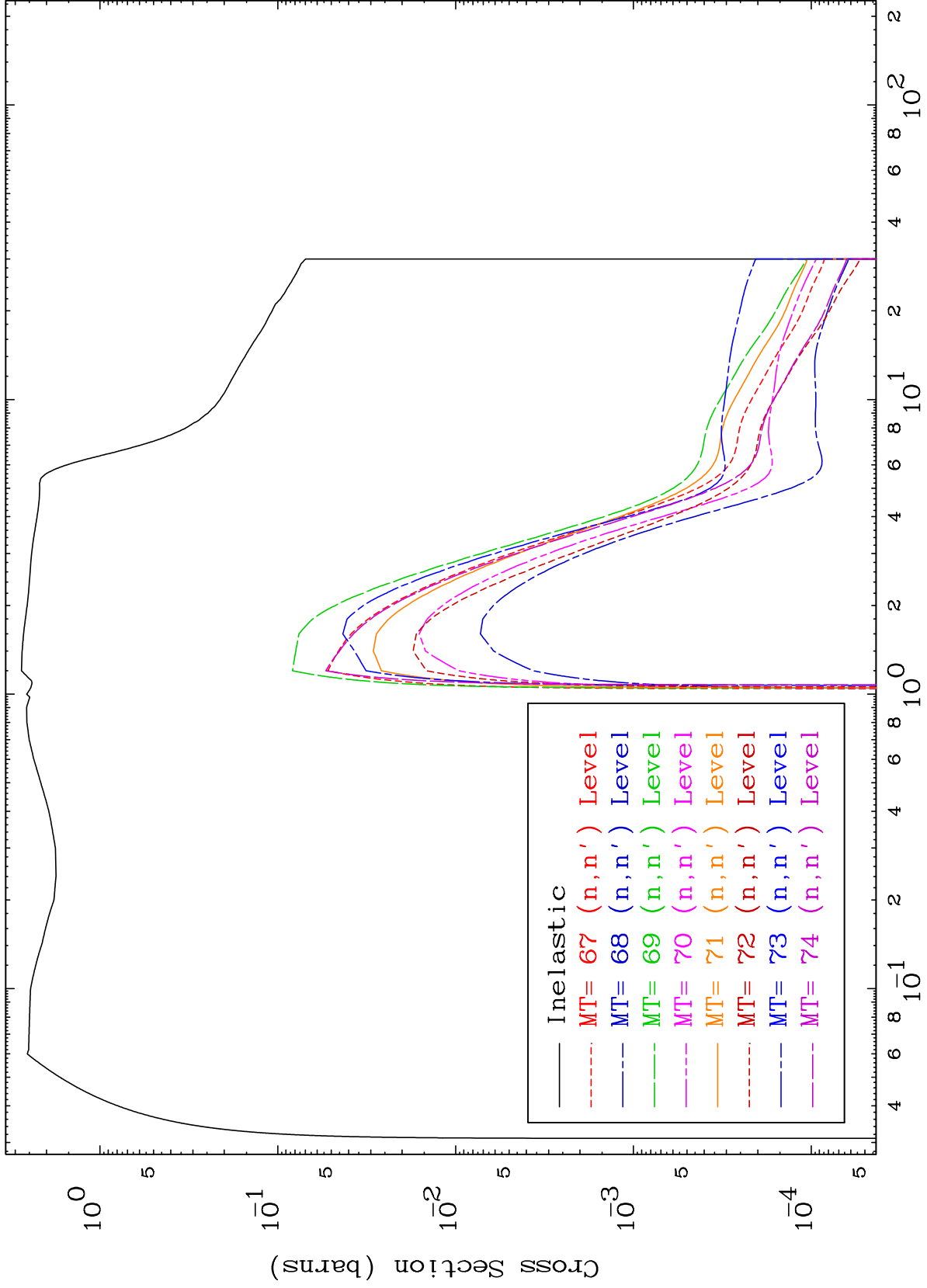
(n,n') Levels  
293 Kelvin Cross Sections



MAT 6191

61-Pm-161

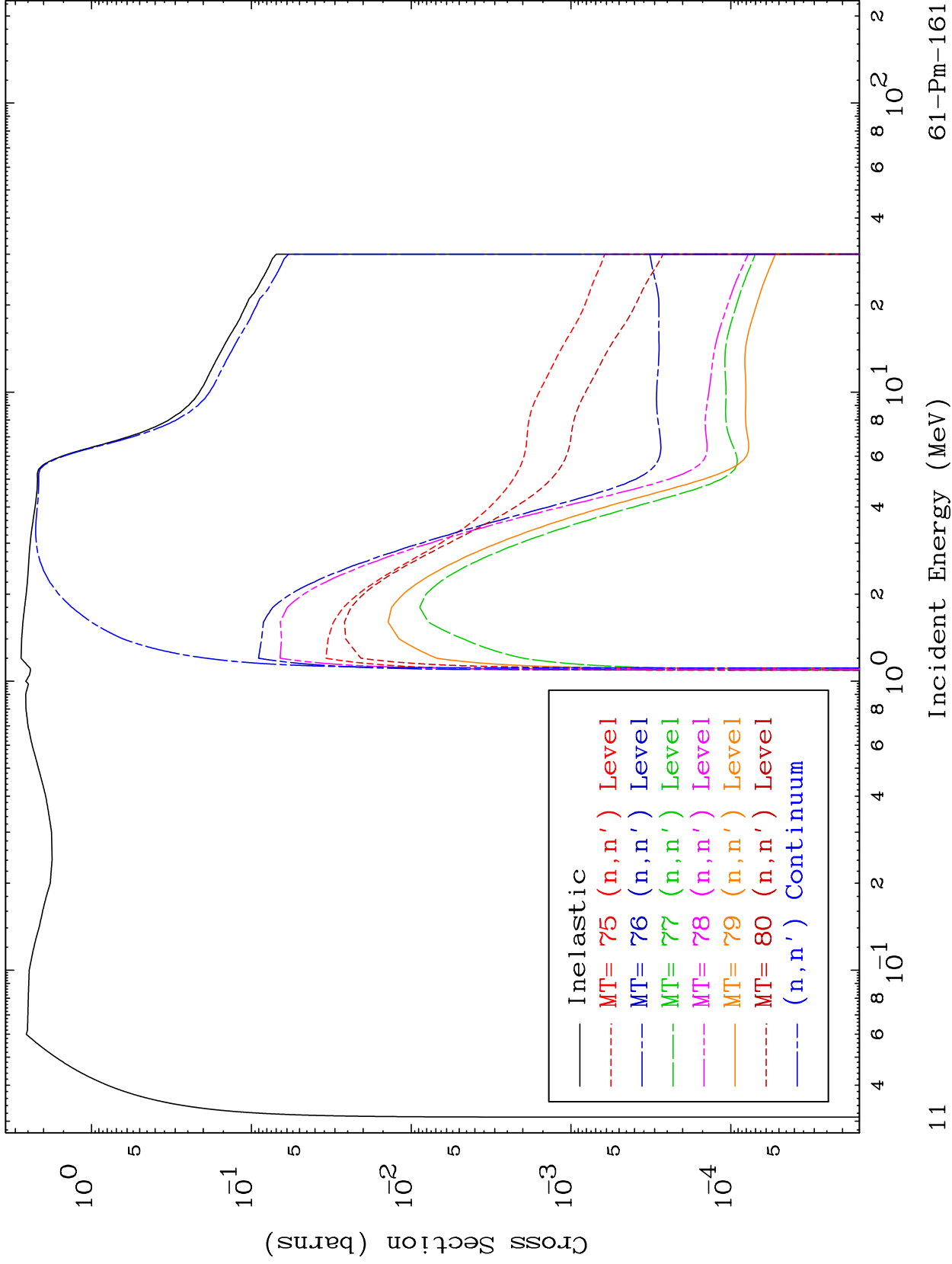
(n,n') Levels  
293 Kelvin Cross Sections



10

61-Pm-161

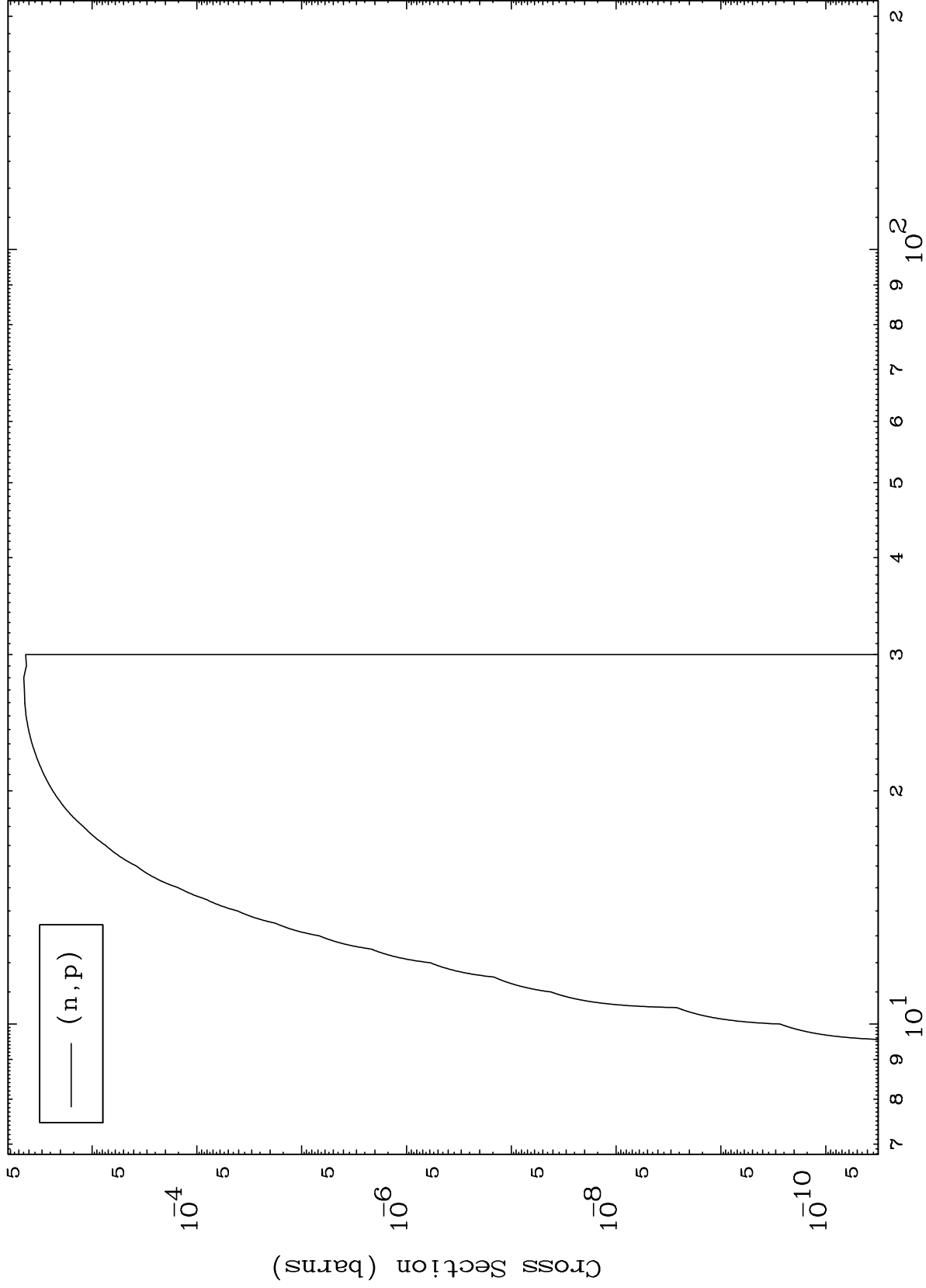
(n,n') Levels  
293 Kelvin Cross Sections



MAT 6191

(n,p) Levels  
293 Kelvin Cross Sections

61-Pm-161



12

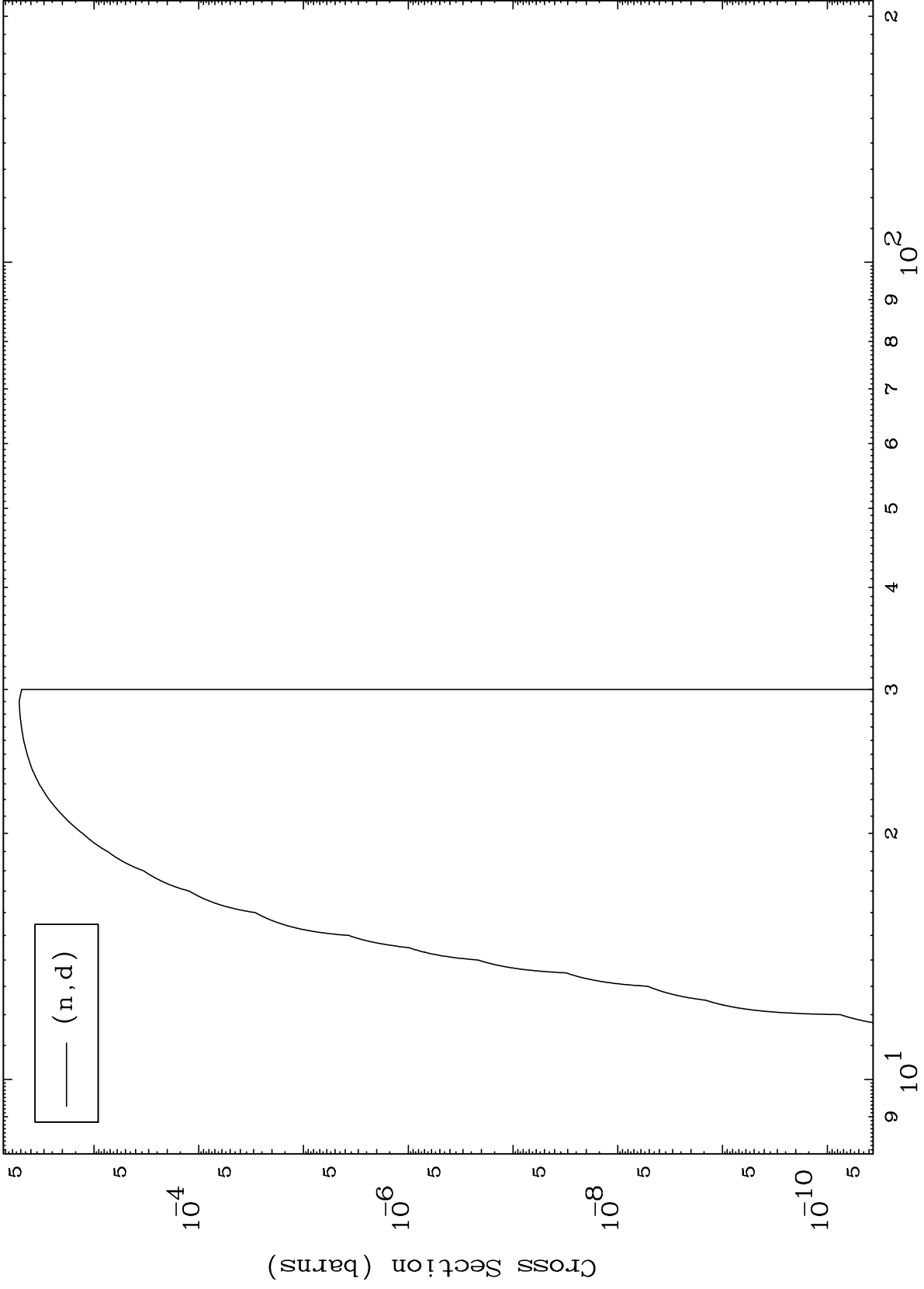
Incident Energy (MeV)

61-Pm-161

MAT 6191

(n,d) Levels  
293 Kelvin Cross Sections

61-Pm-161



13

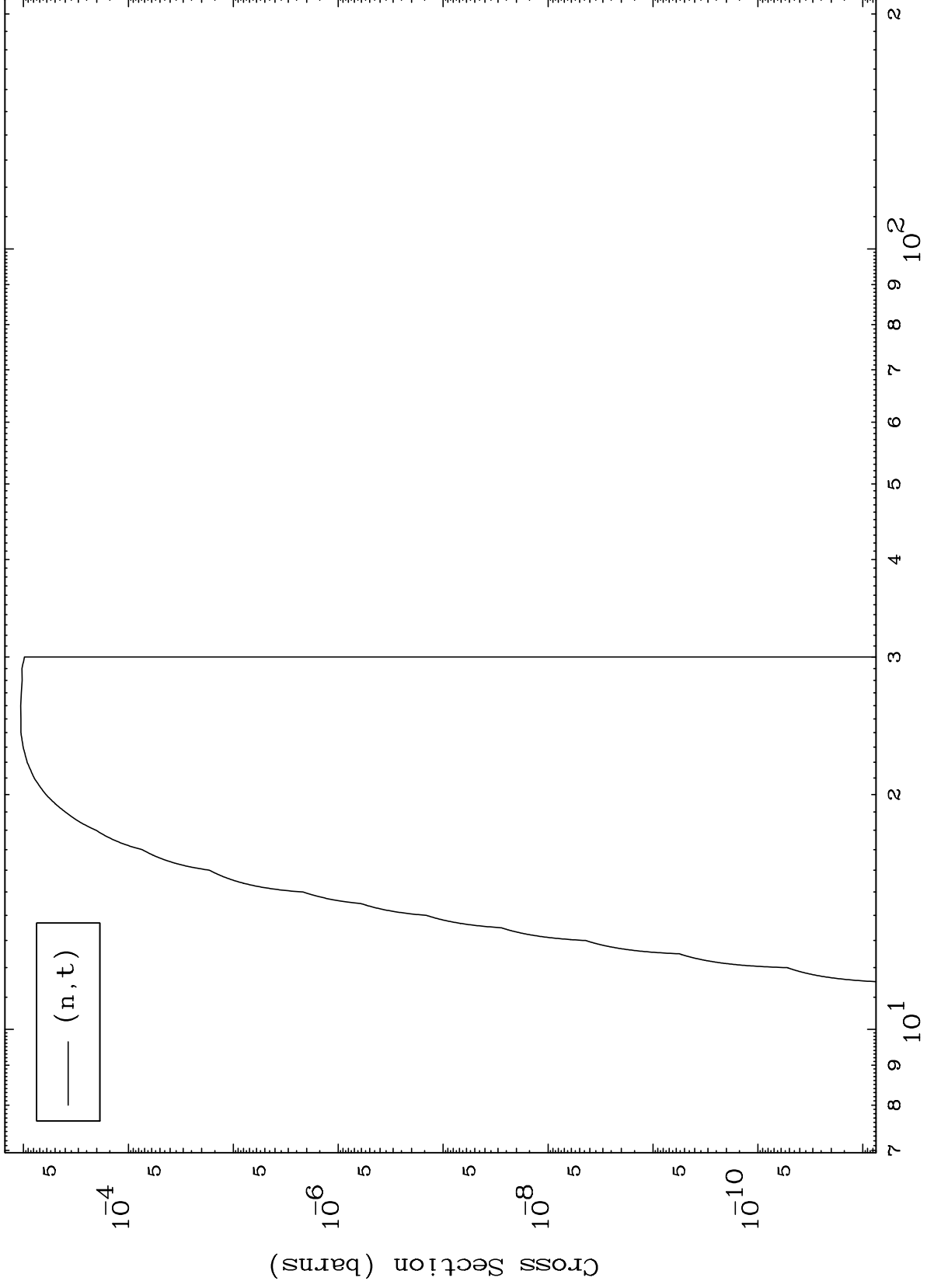
Incident Energy (MeV)

61-Pm-161

MAT 6191

(n,t) Levels  
293 Kelvin Cross Sections

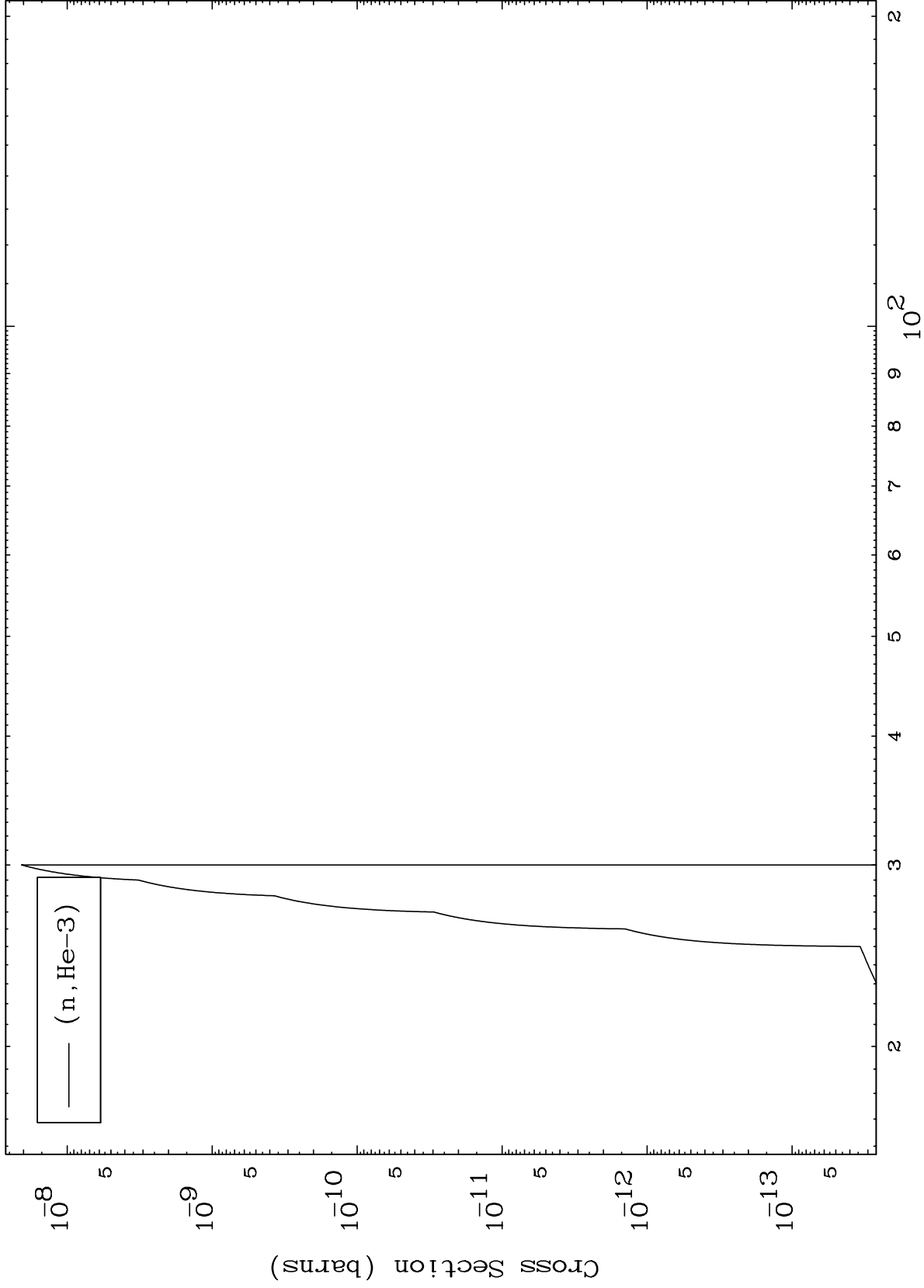
61-Pm-161



14

Incident Energy (MeV)

61-Pm-161

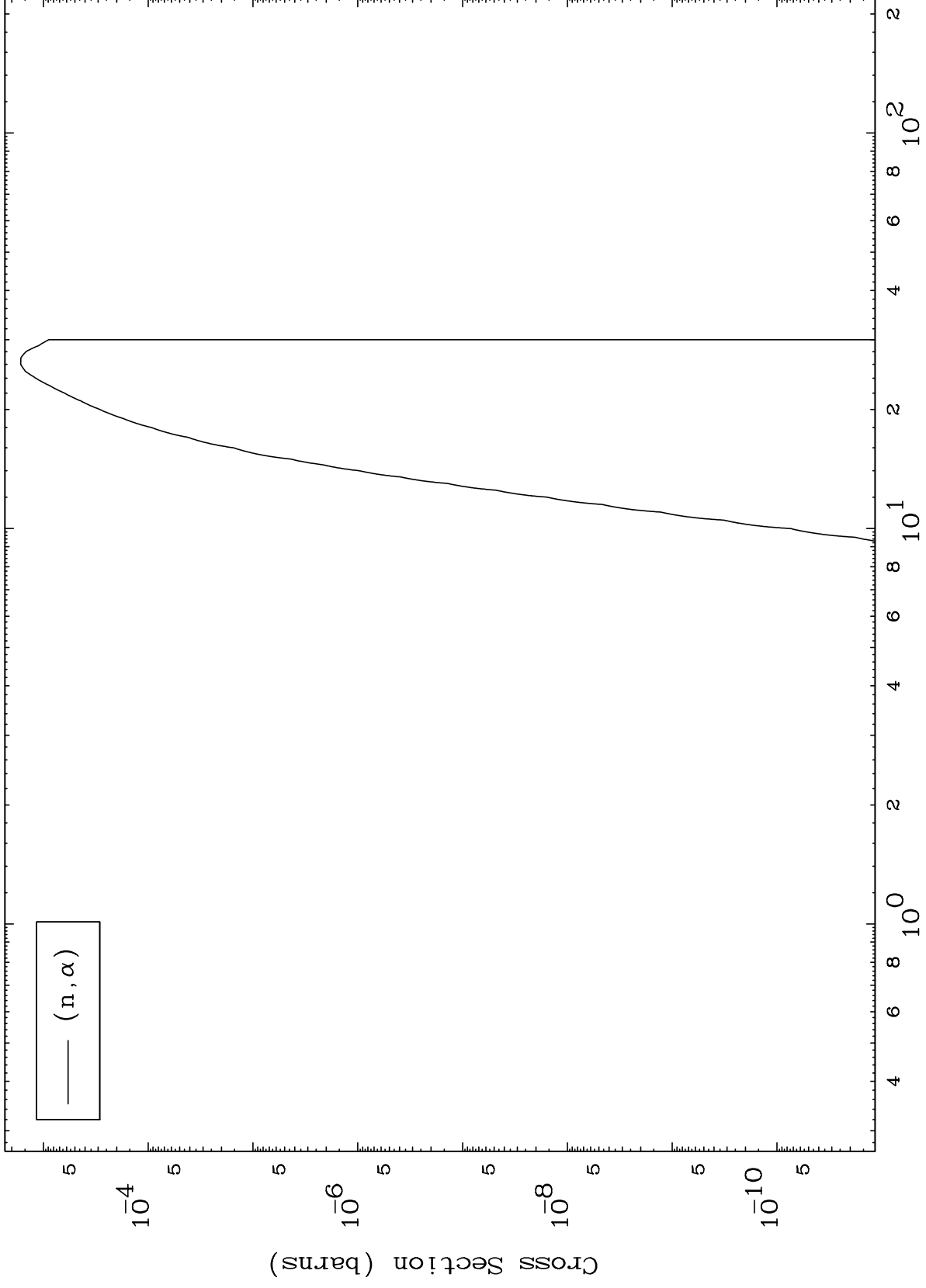




MAT 6191

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

61-Pm-161



16

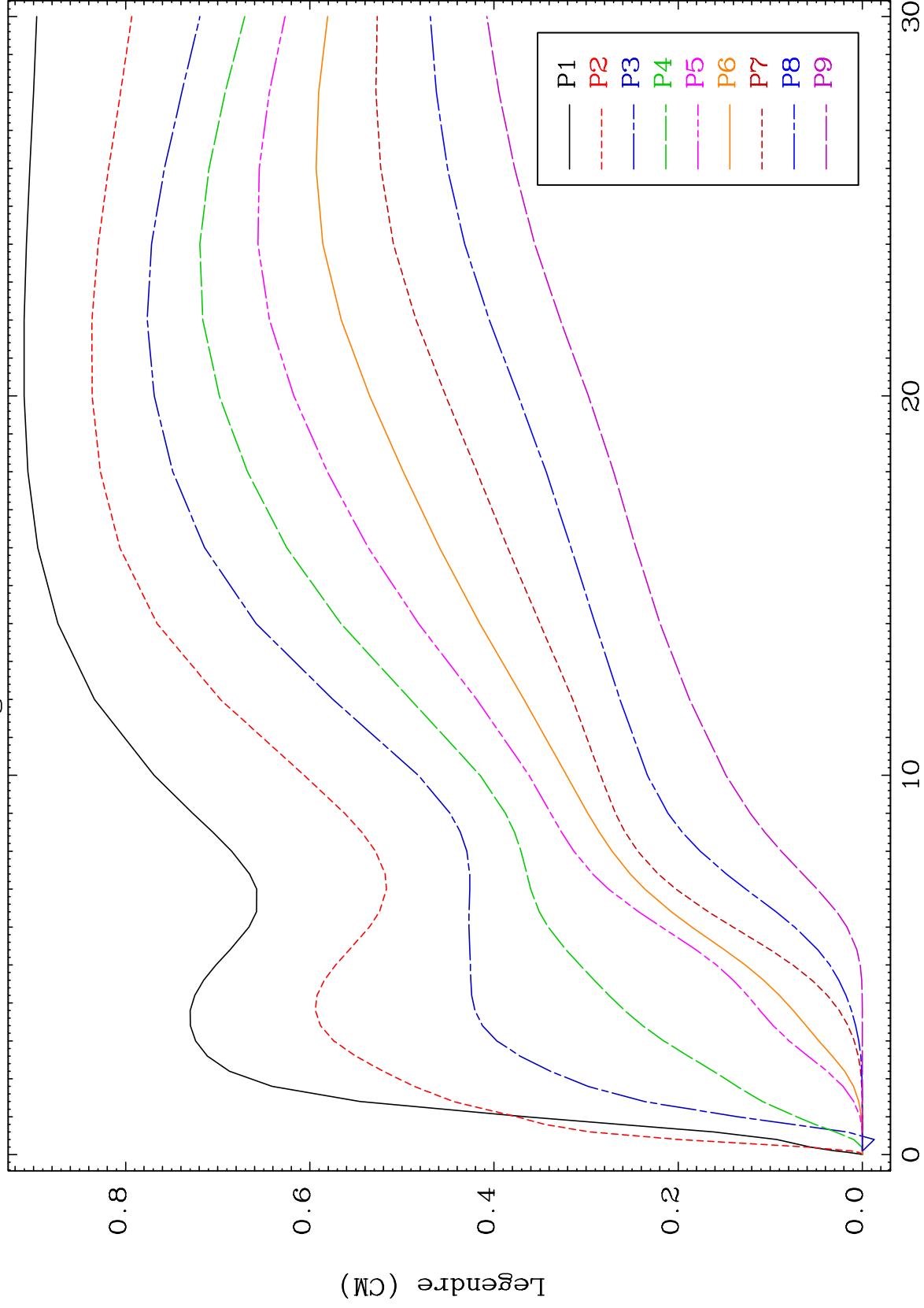
Incident Energy (MeV)

61-Pm-161

MAT 6191

Elastic Legendre Coefficients

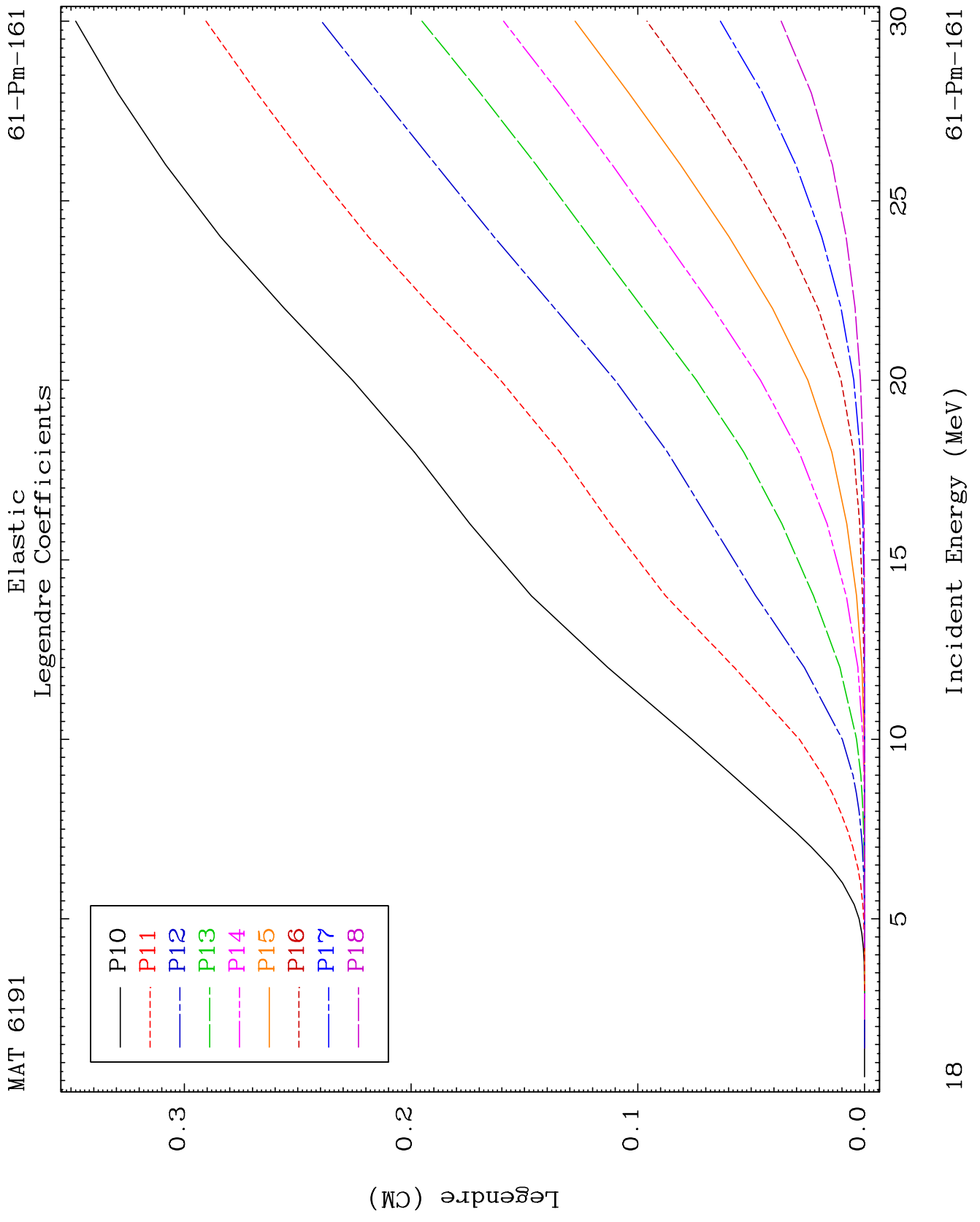
61-Pm-161



17

61-Pm-161

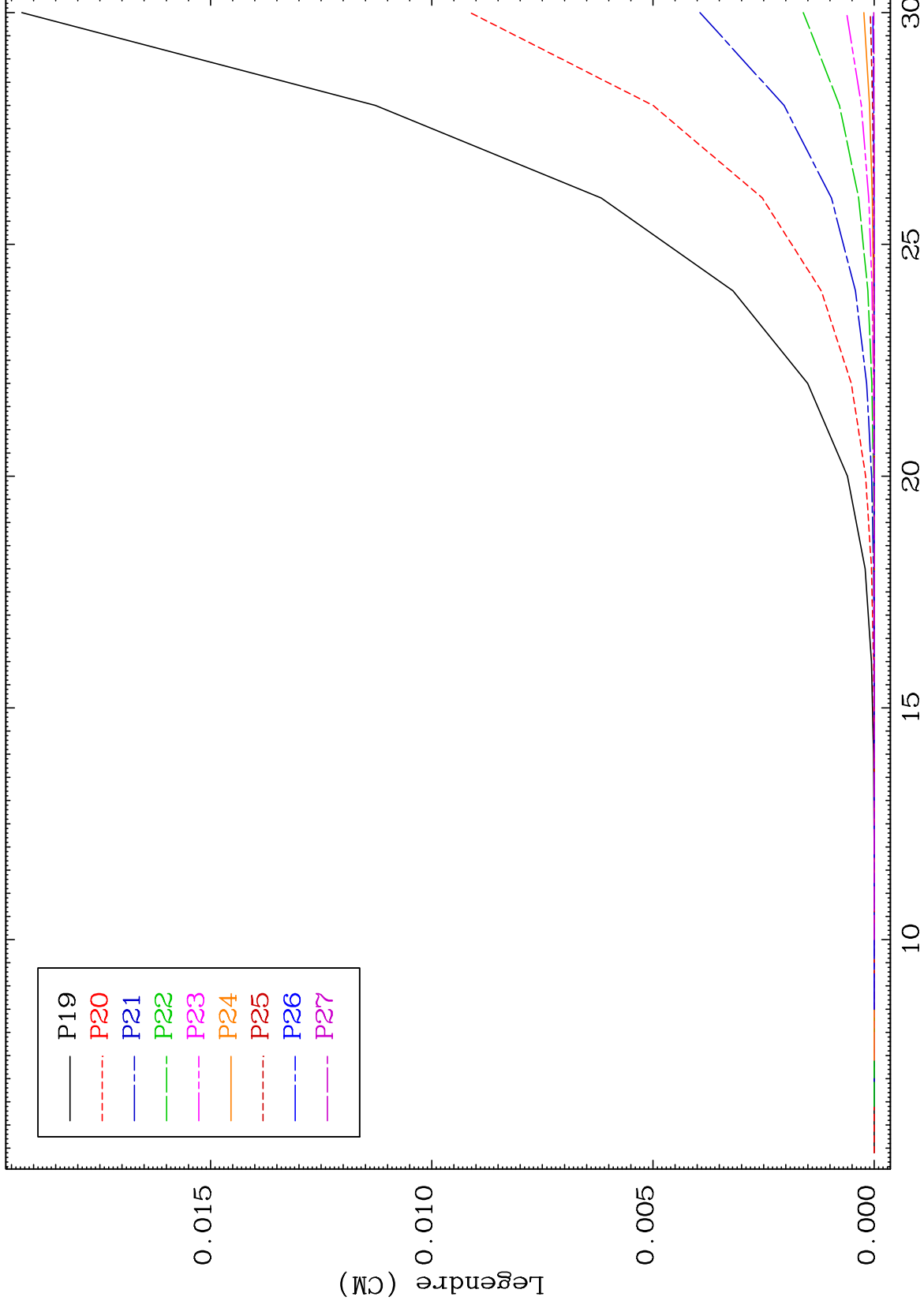
61-Pm-161



MAT 6191

Elastic  
Legendre Coefficients

61-Pm-161



19

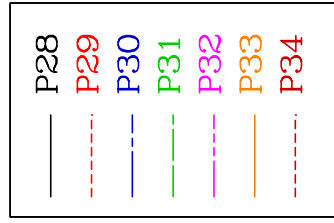
Incident Energy (MeV)

61-Pm-161

MAT 6191

Elastic Legendre Coefficients

61-Pm-161



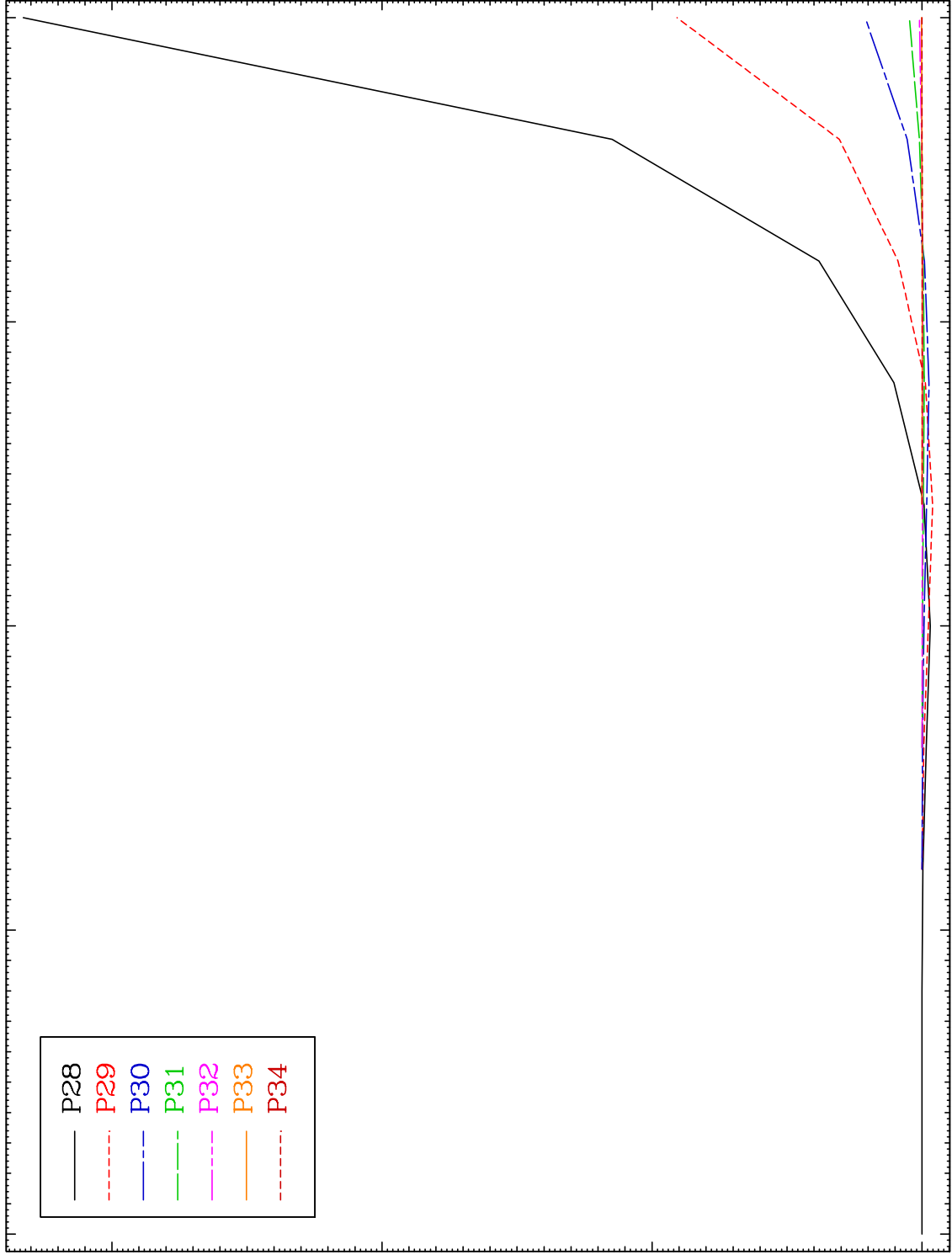
$\times 10^{-6}$   
3  
2  
1  
0

Legendre (CM)

10 15 20 25 30

Incident Energy (MeV)

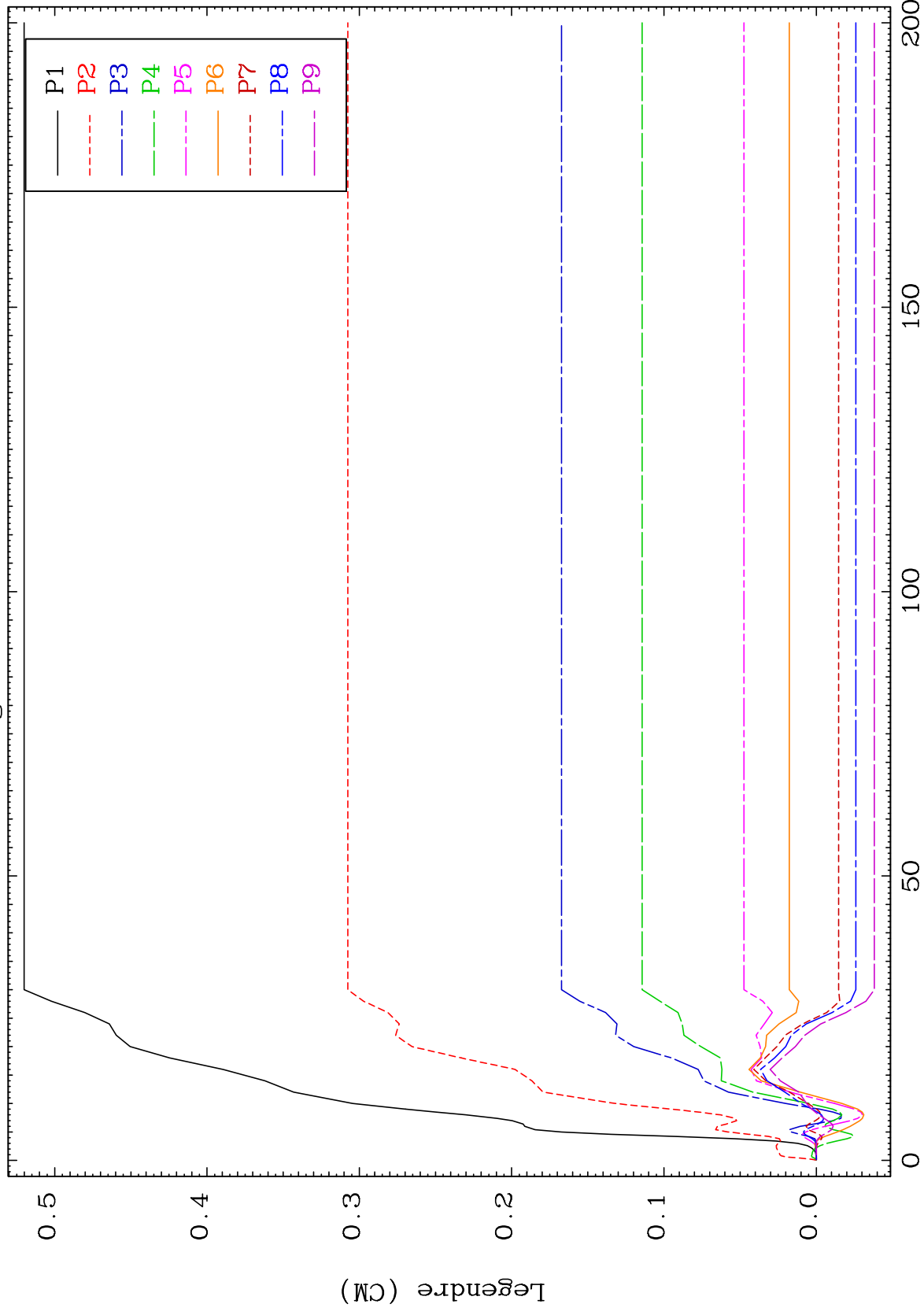
61-Pm-161



MAT 6191

MT= 51 (n,n') Level  
Legendre Coefficients

61-Pm-161



21

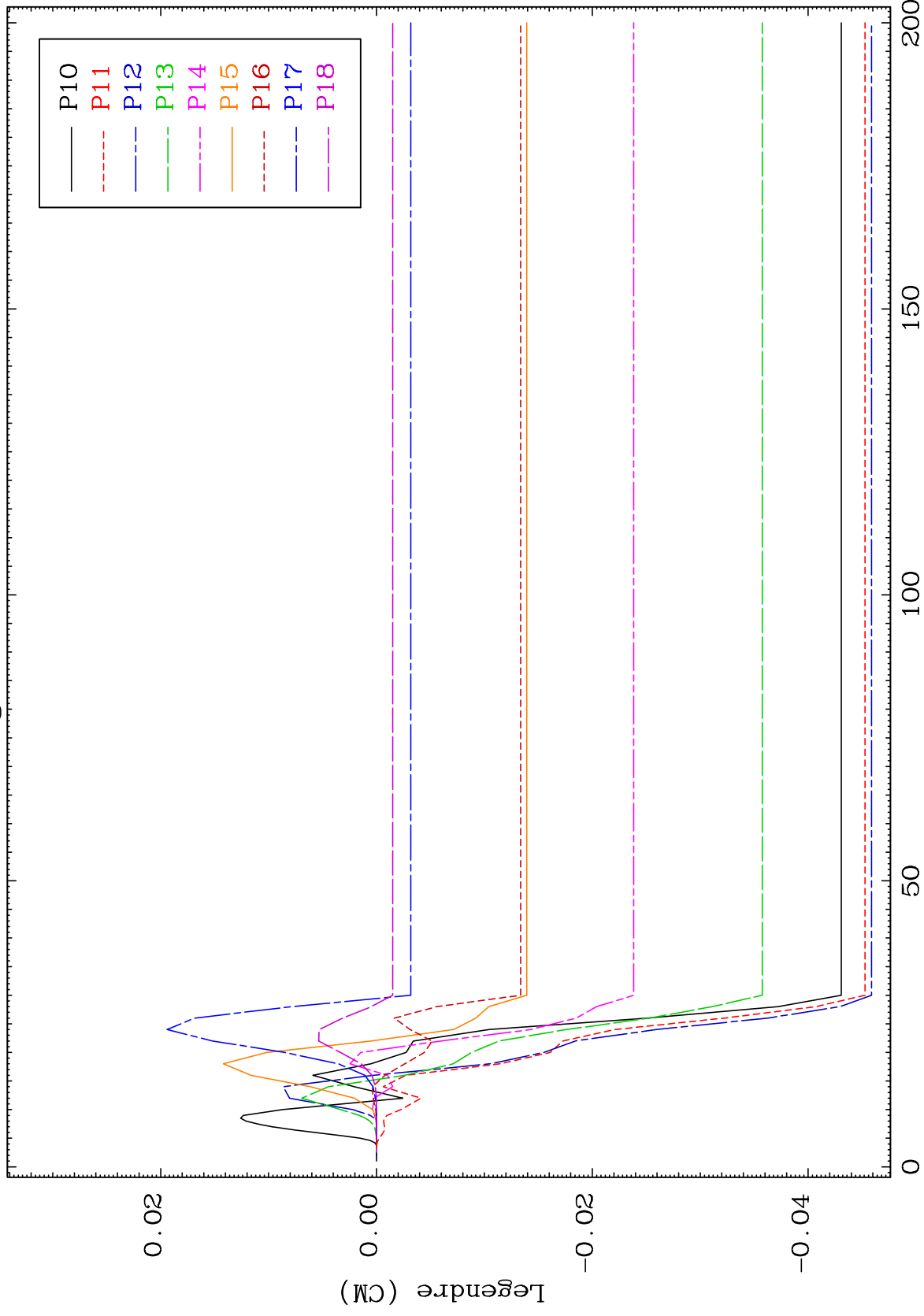
Incident Energy (MeV)

61-Pm-161

MAT 6191

MT= 51 (n,n') Level  
Legendre Coefficients

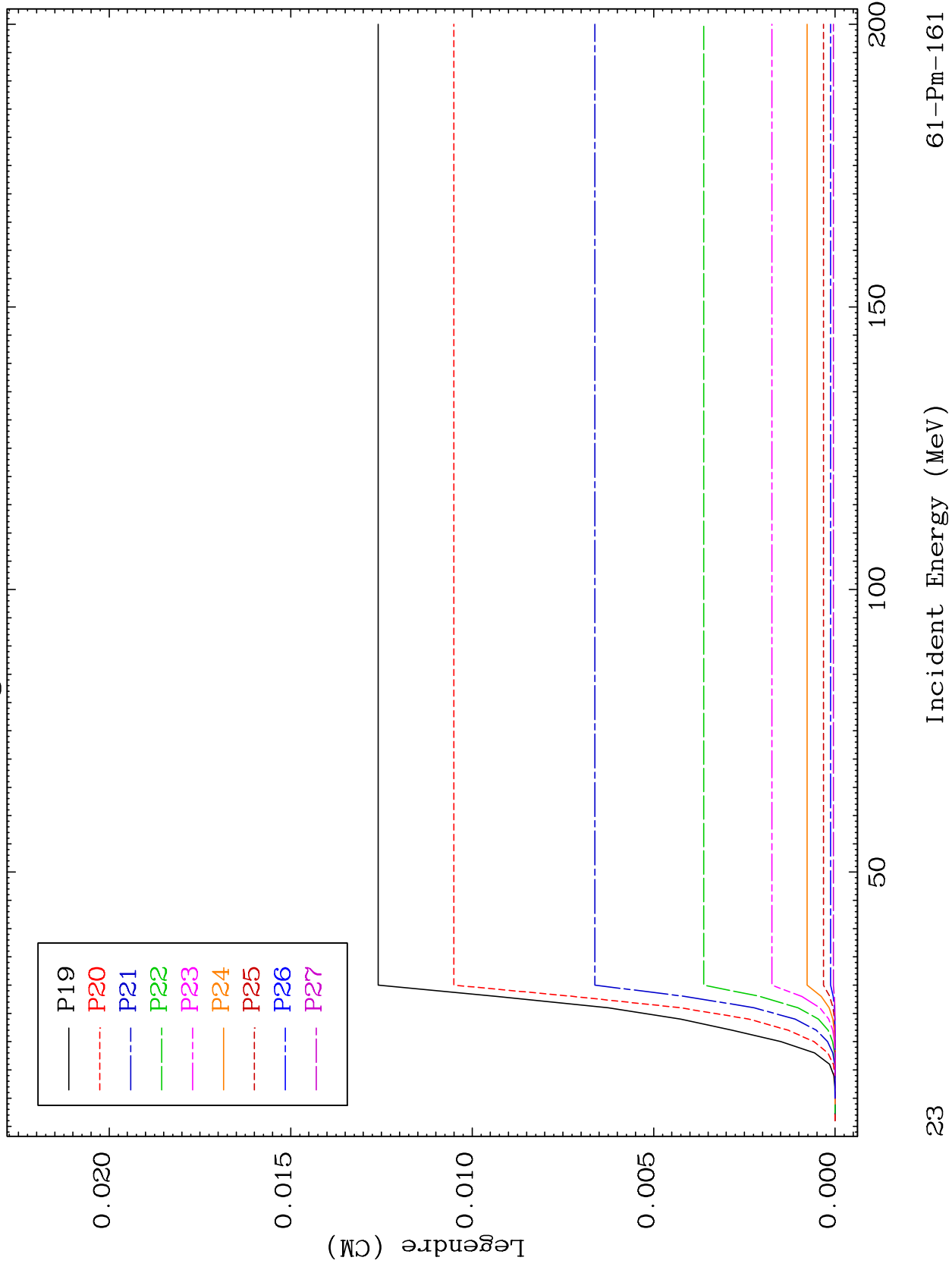
61-Pm-161



22

Incident Energy (MeV)

61-Pm-161



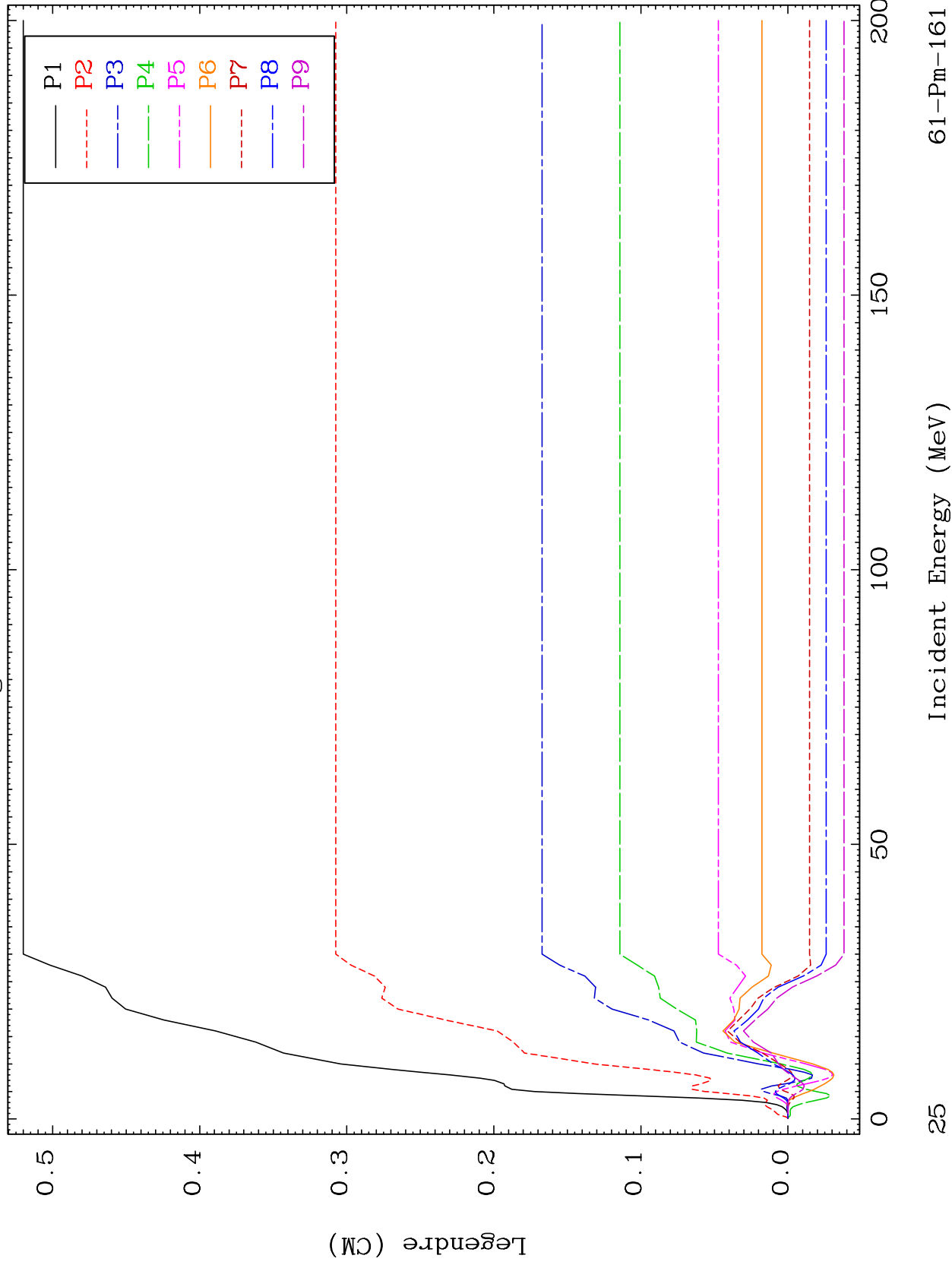




MAT 6191

MT= 52 (n,n') Level  
Legendre Coefficients

61-Pm-161



25

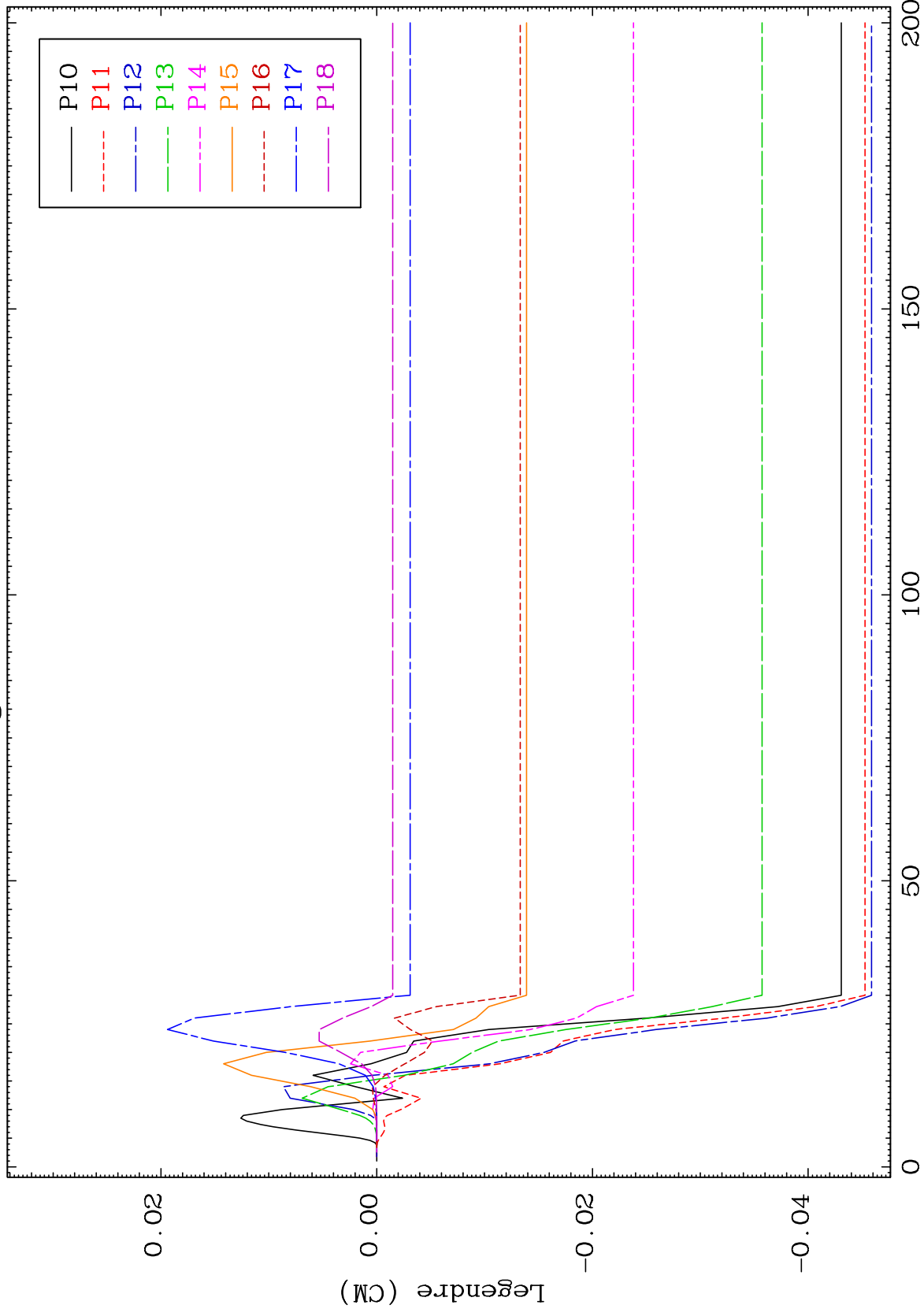
Incident Energy (MeV)

61-Pm-161

MAT 6191

MT= 52 (n,n') Level  
Legendre Coefficients

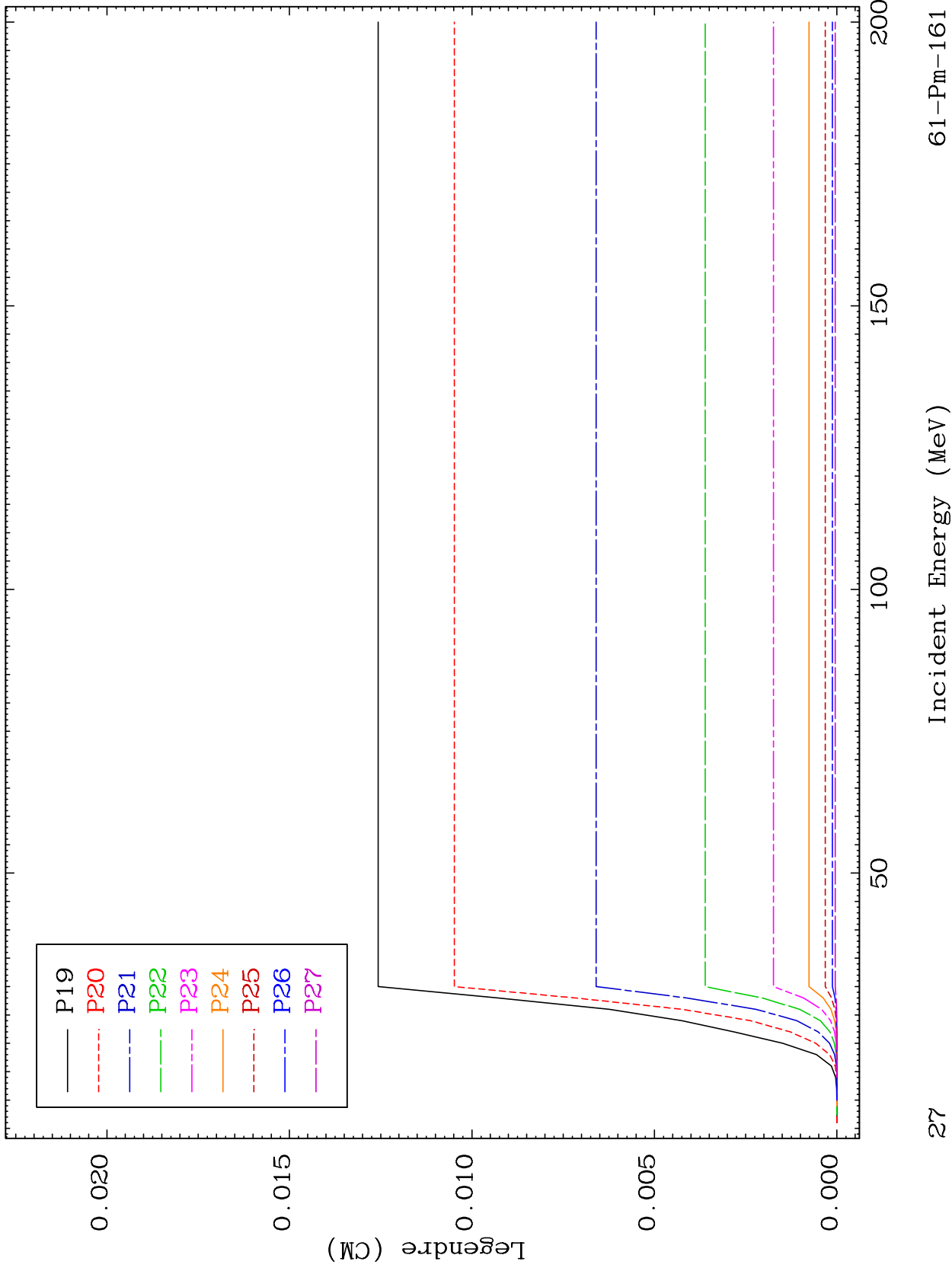
61-Pm-161



26

Incident Energy (MeV)

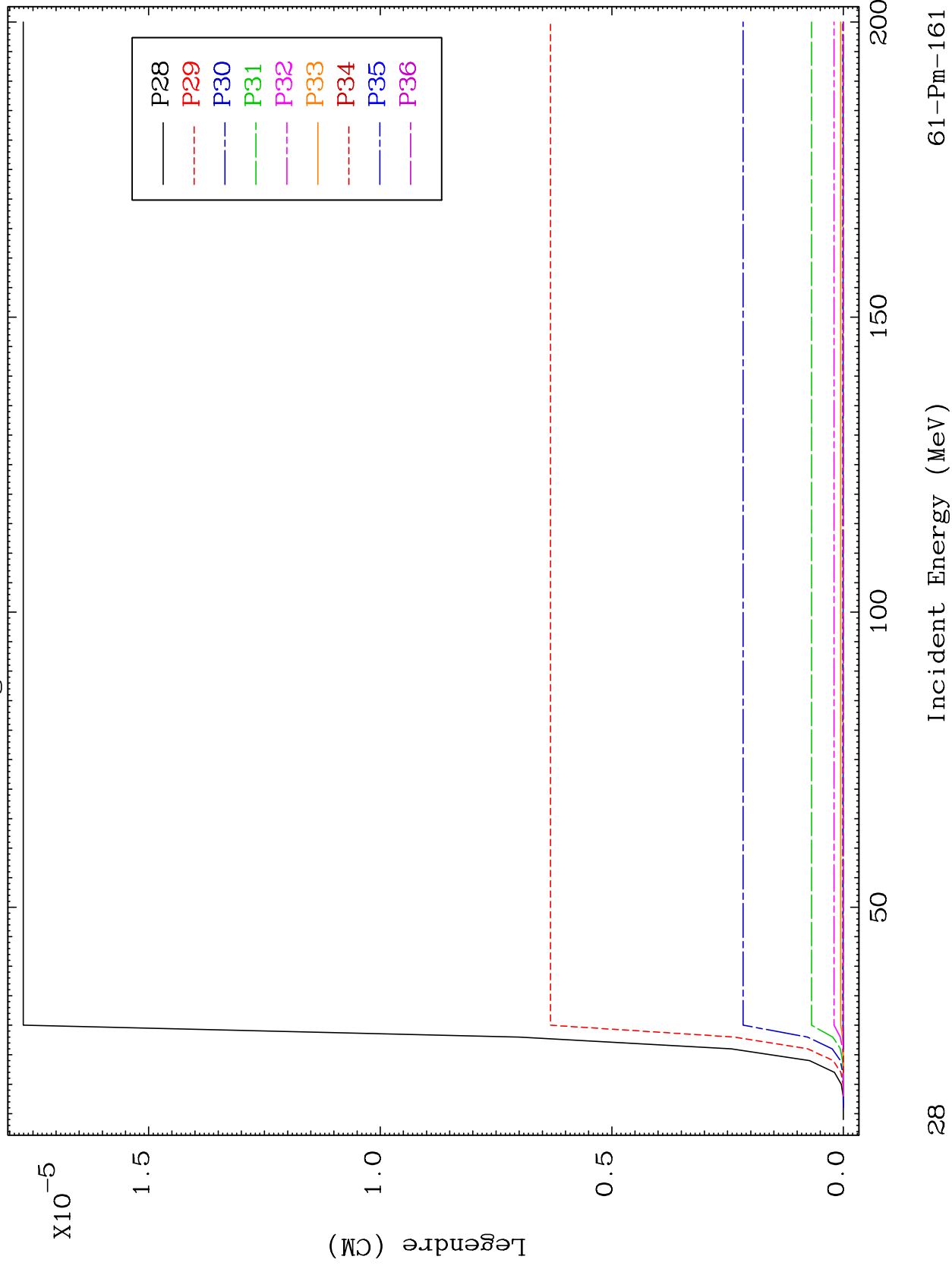
61-Pm-161



MAT 6191

MT= 52 (n,n') Level  
Legendre Coefficients

61-Pm-161



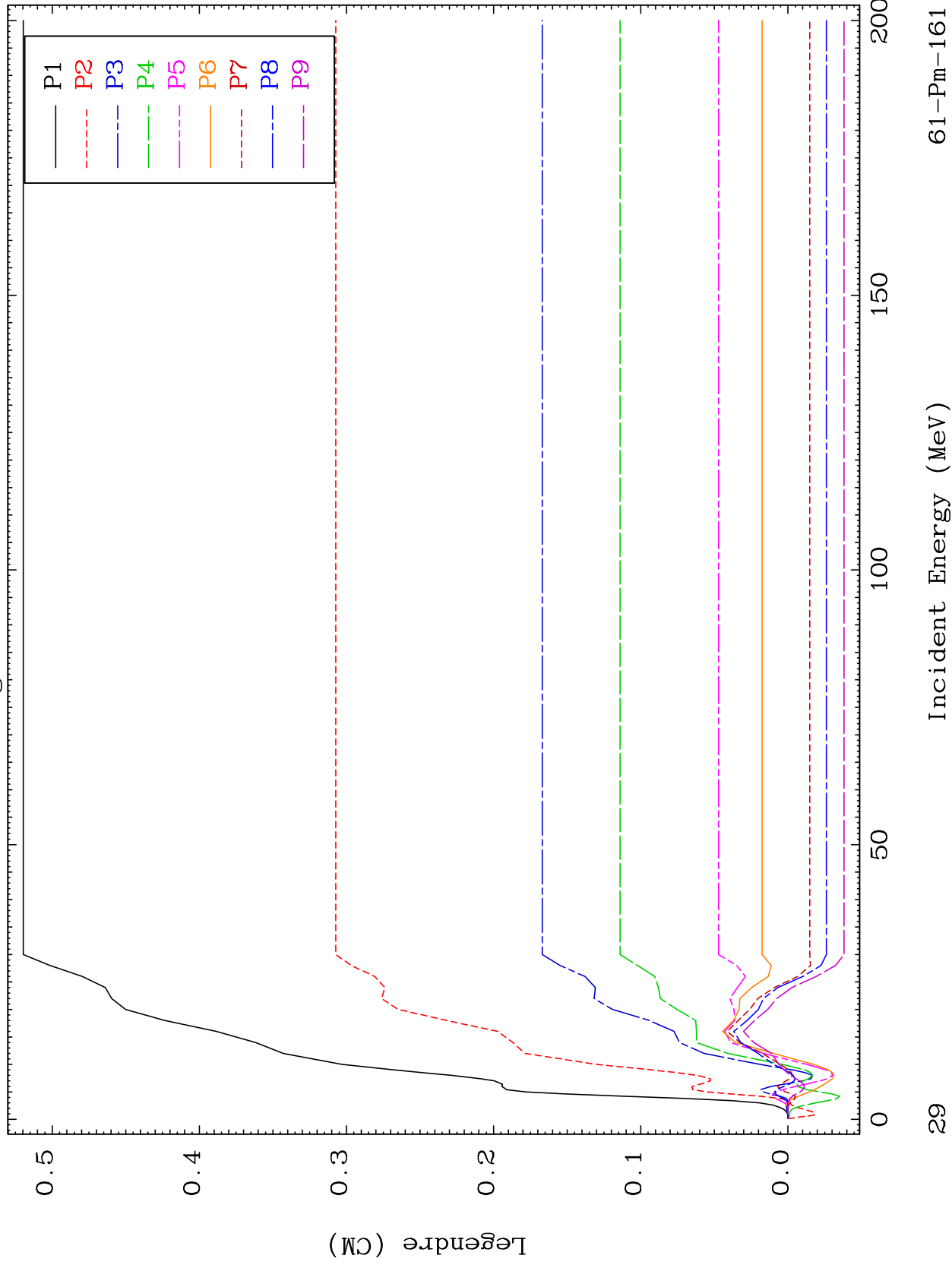
28

61-Pm-161

MAT 6191

MT= 53 (n,n') Level  
Legendre Coefficients

61-Pm-161

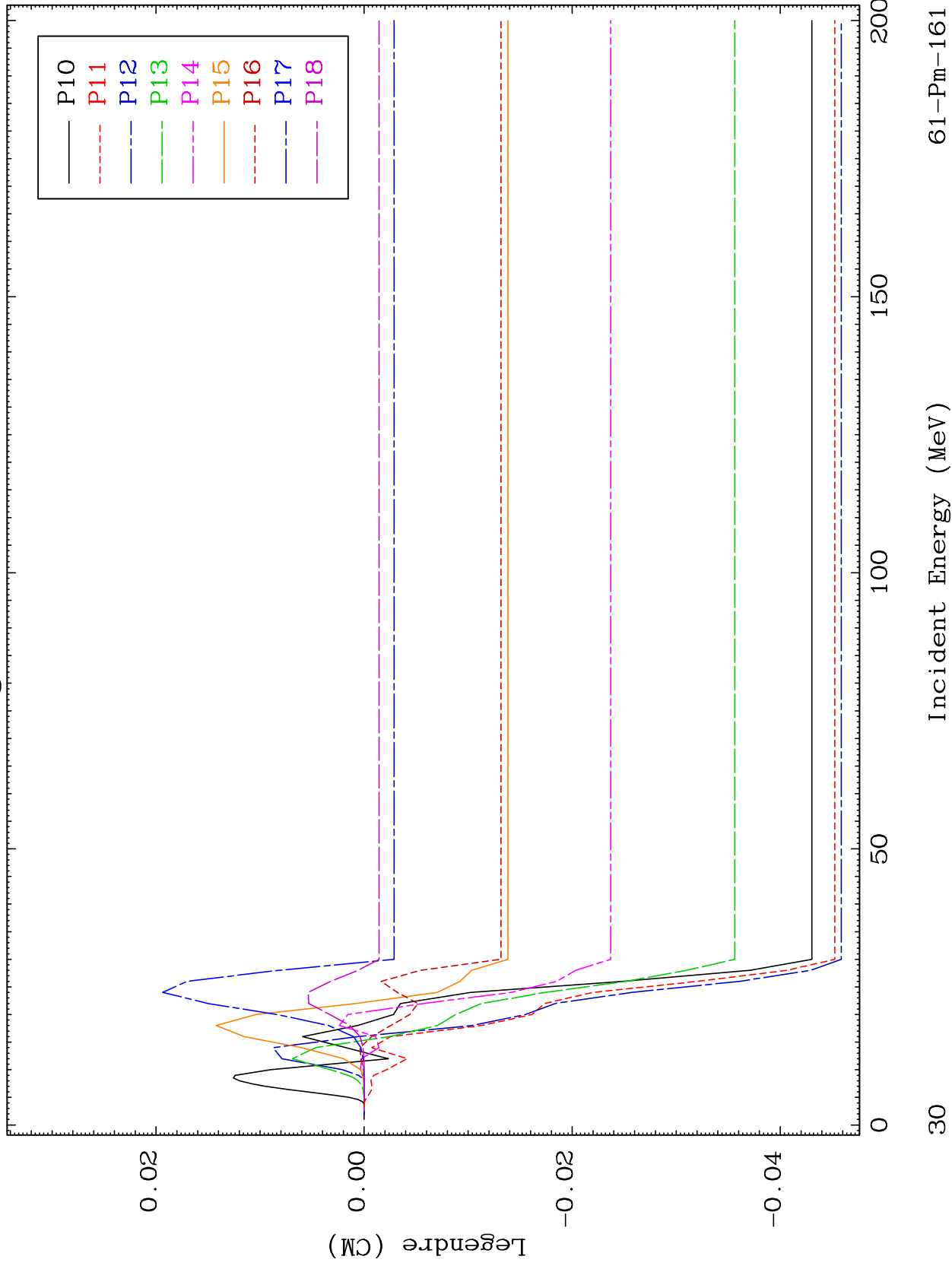


29

MAT 6191

MT= 53 (n,n') Level  
Legendre Coefficients

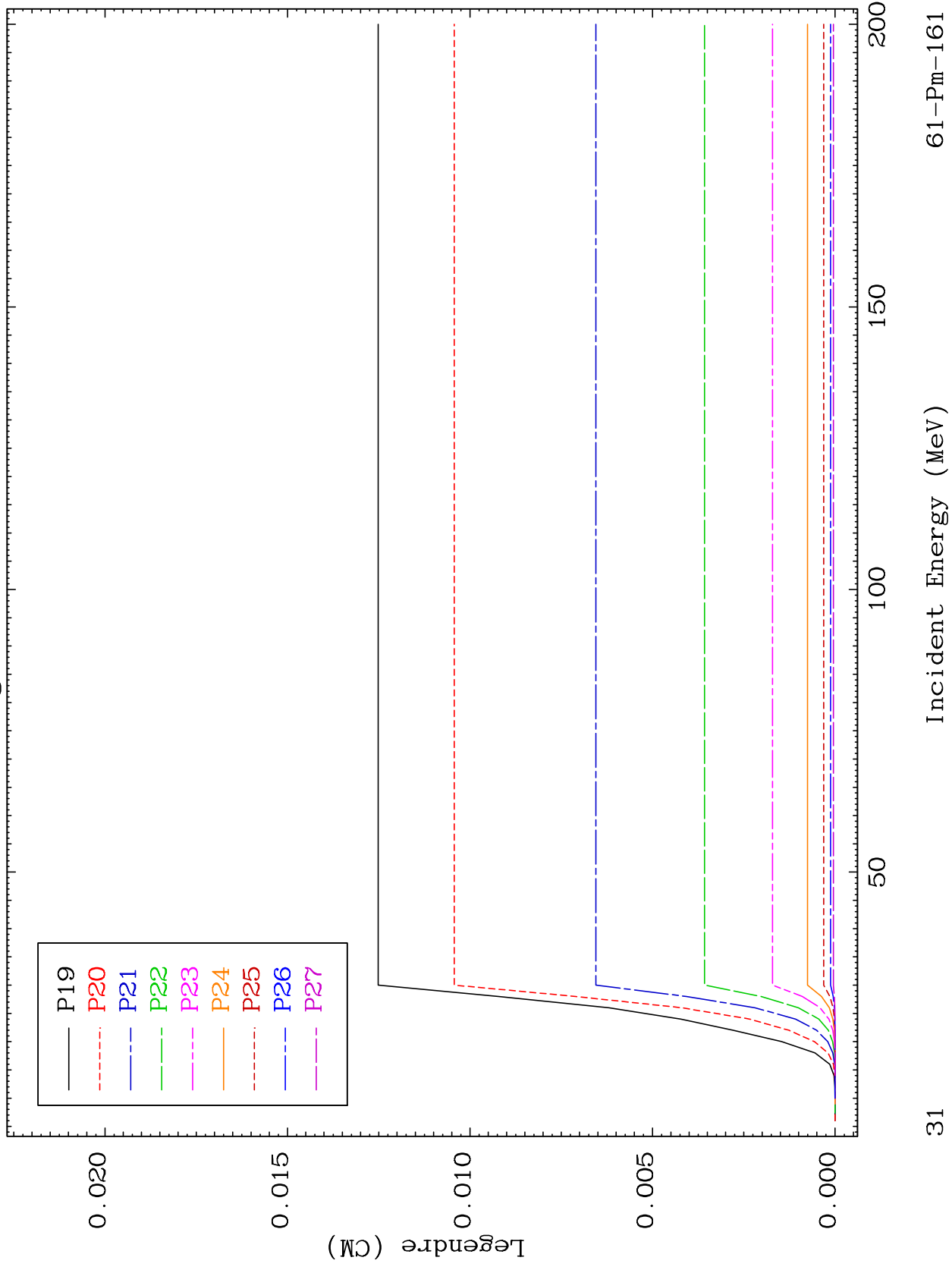
61-Pm-161



61-Pm-161

Incident Energy (MeV)

30

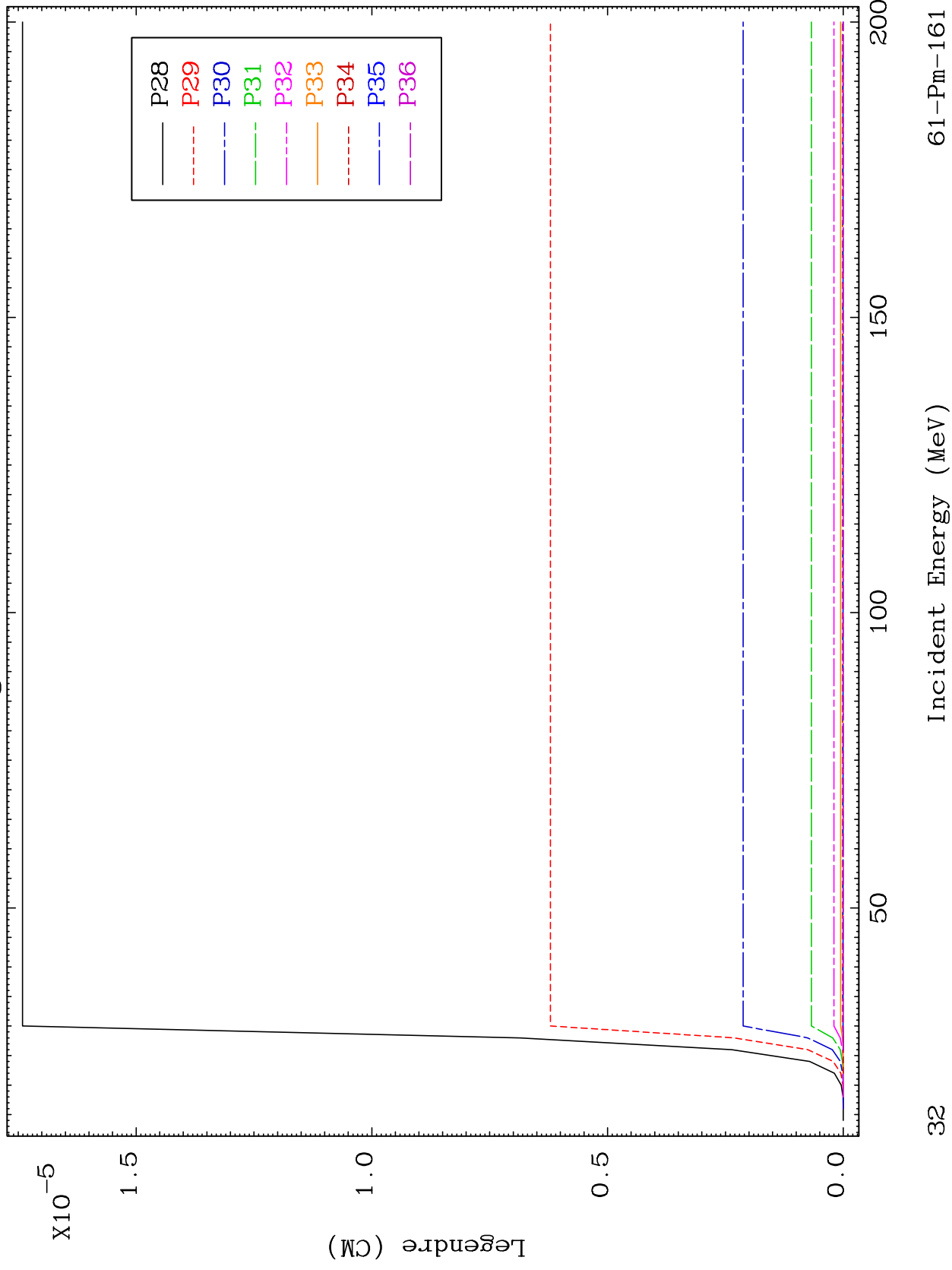




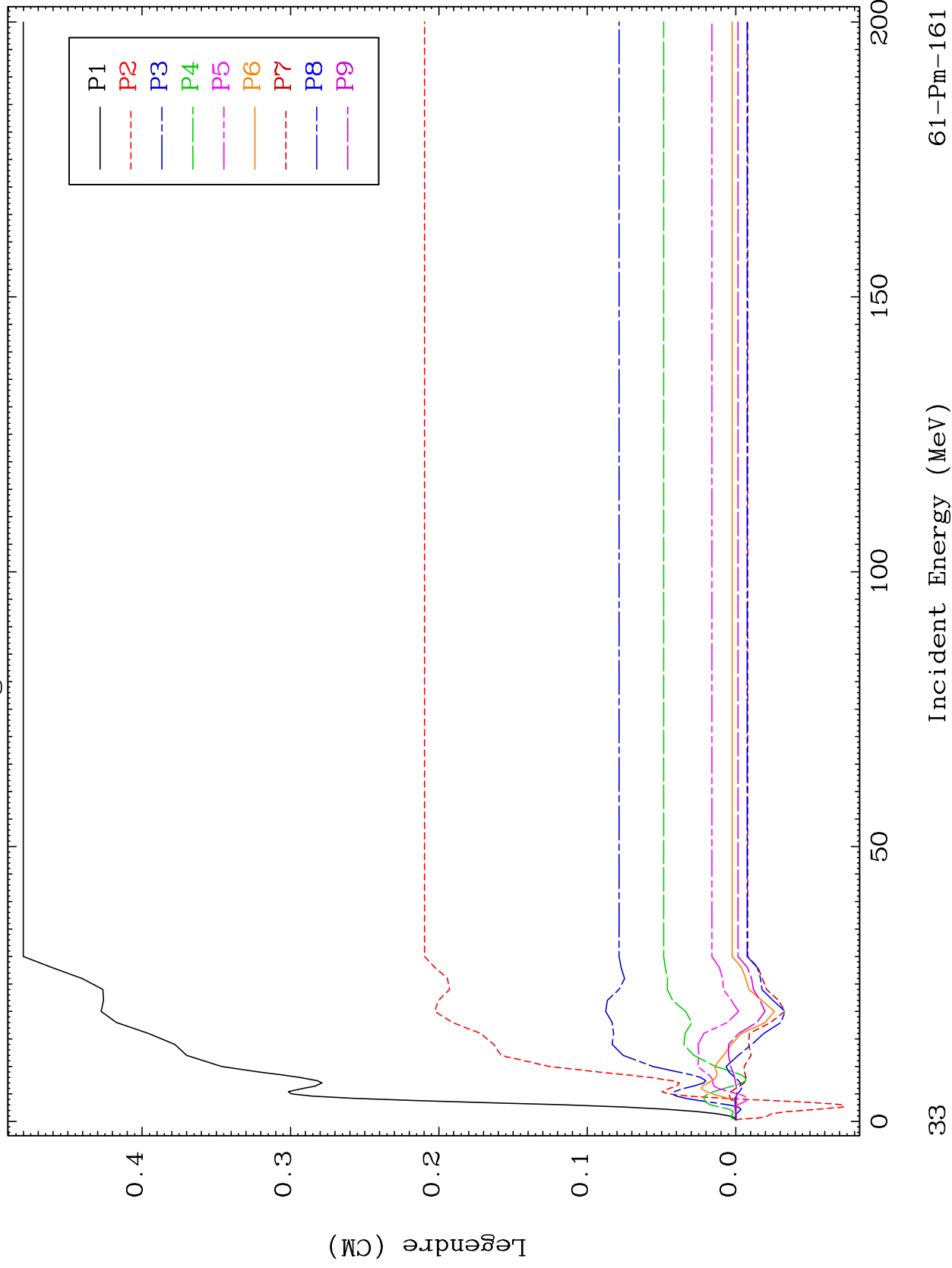
MAT 6191

MT= 53 (n,n') Level  
Legendre Coefficients

61-Pm-161



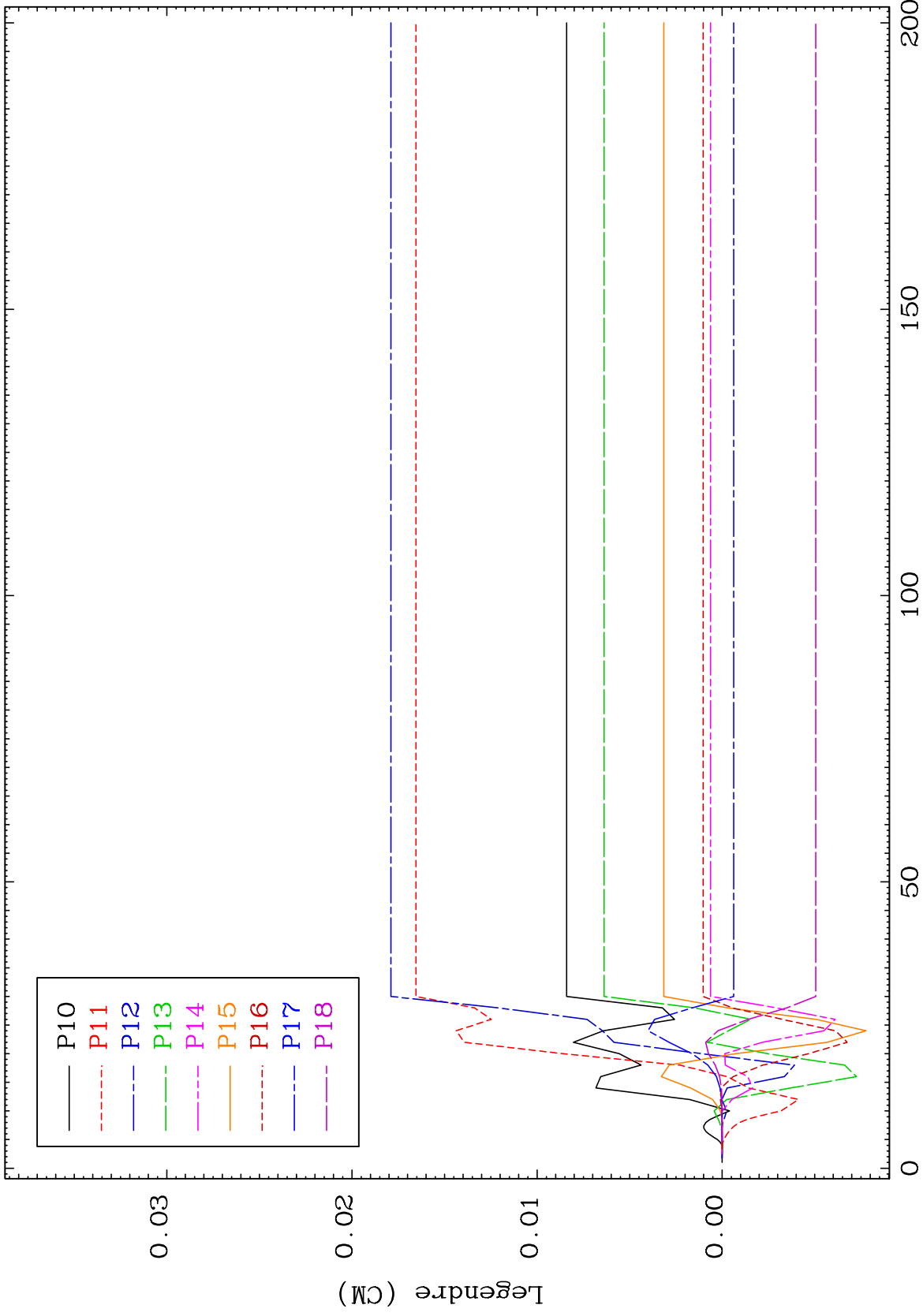
32



MAT 6191

MT= 54 (n,n') Level  
Legendre Coefficients

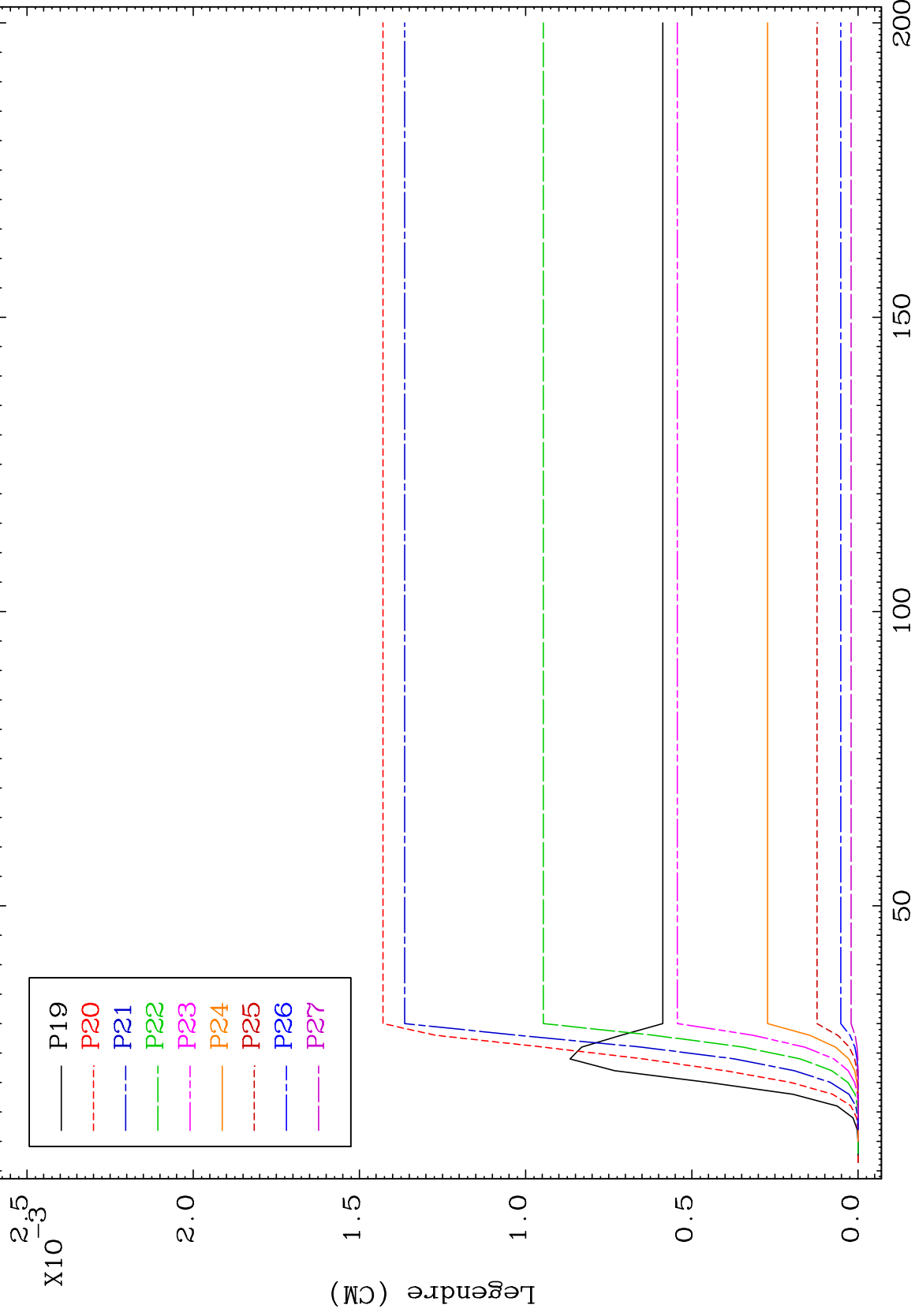
61-Pm-161



34

Incident Energy (MeV)

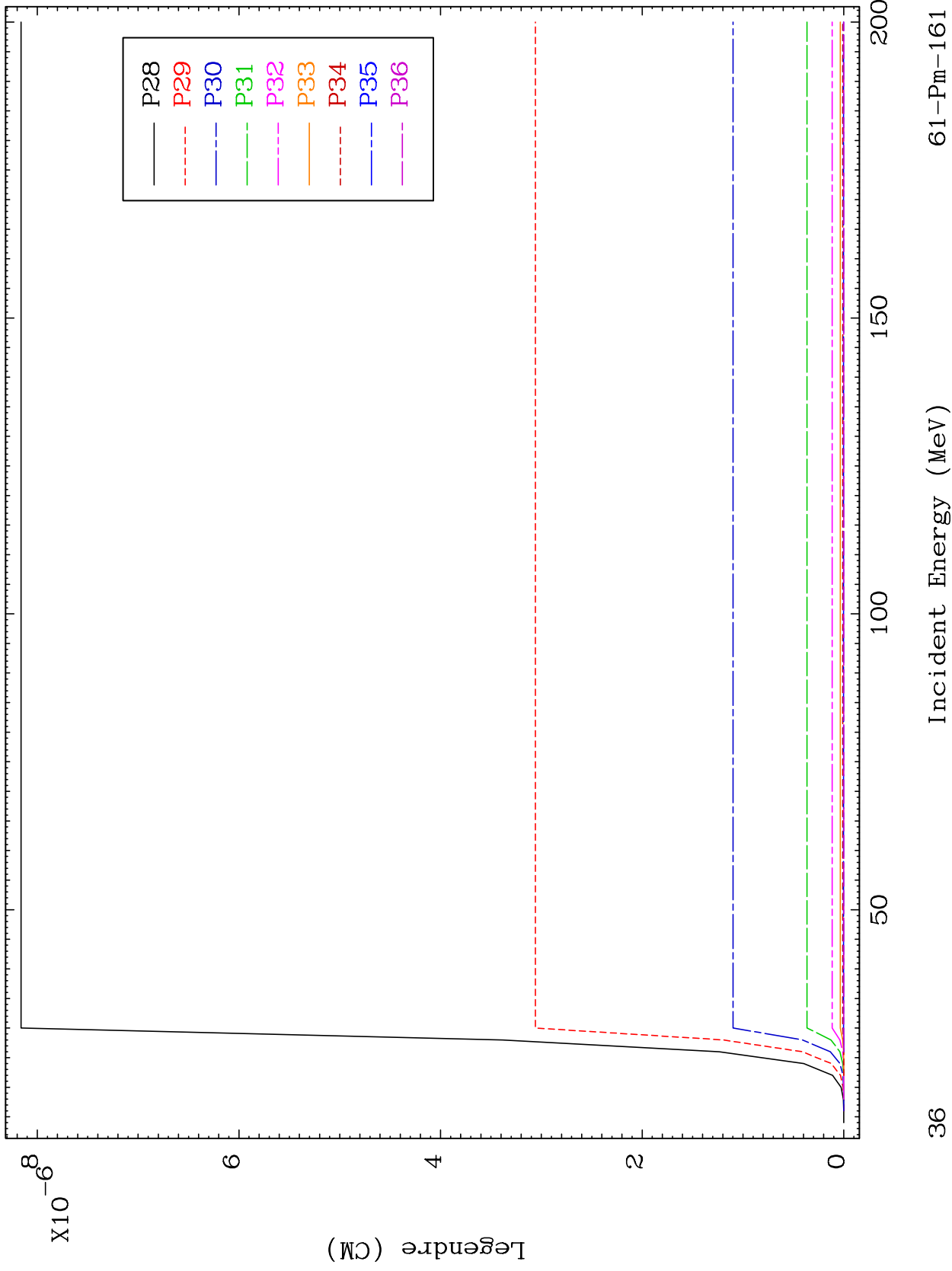
61-Pm-161



MAT 6191

MT= 54 (n,n') Level  
Legendre Coefficients

61-Pm-161



36

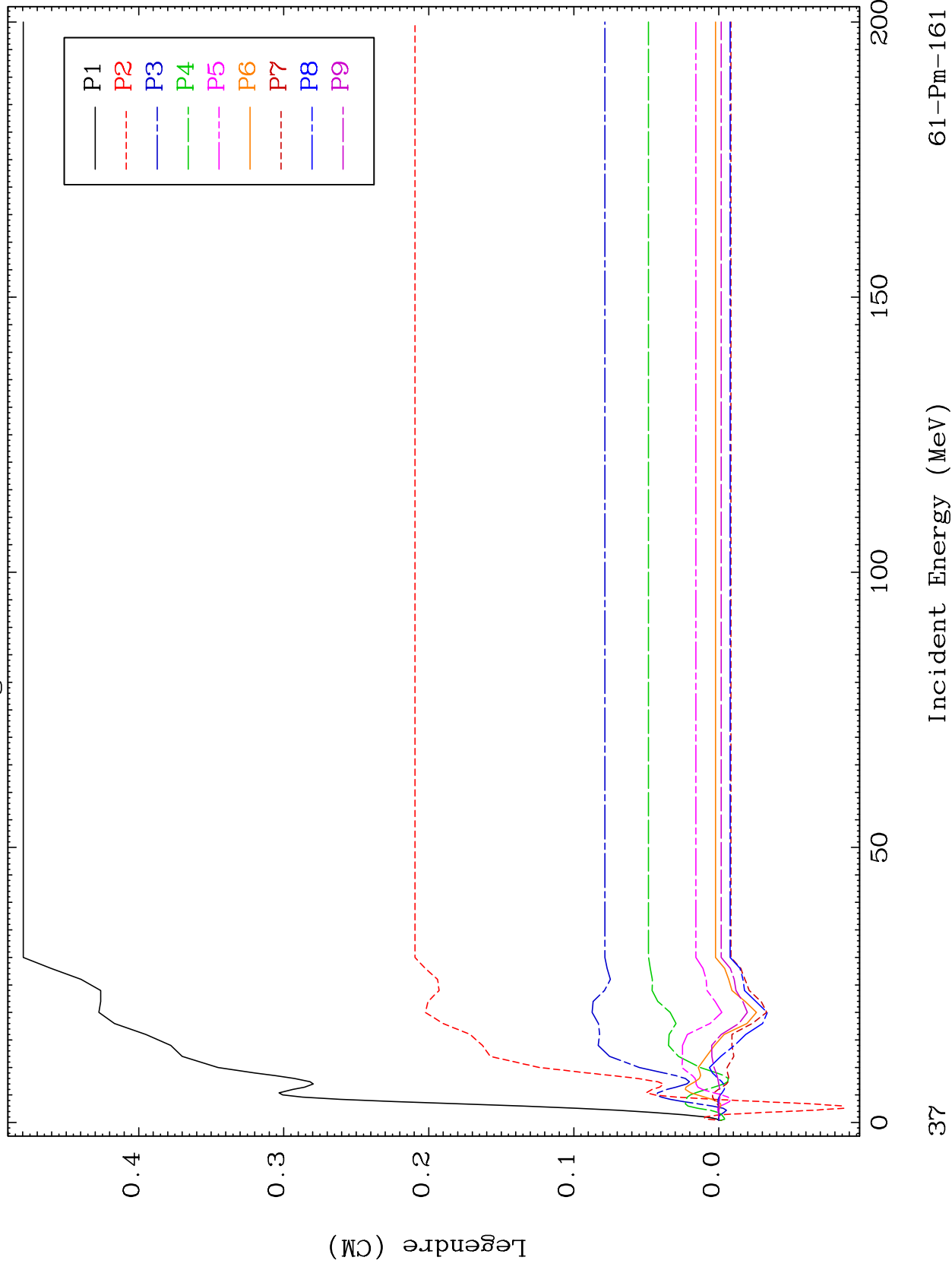
Incident Energy (MeV)

61-Pm-161

MAT 6191

MT= 55 (n,n') Level  
Legendre Coefficients

61-Pm-161



61-Pm-161

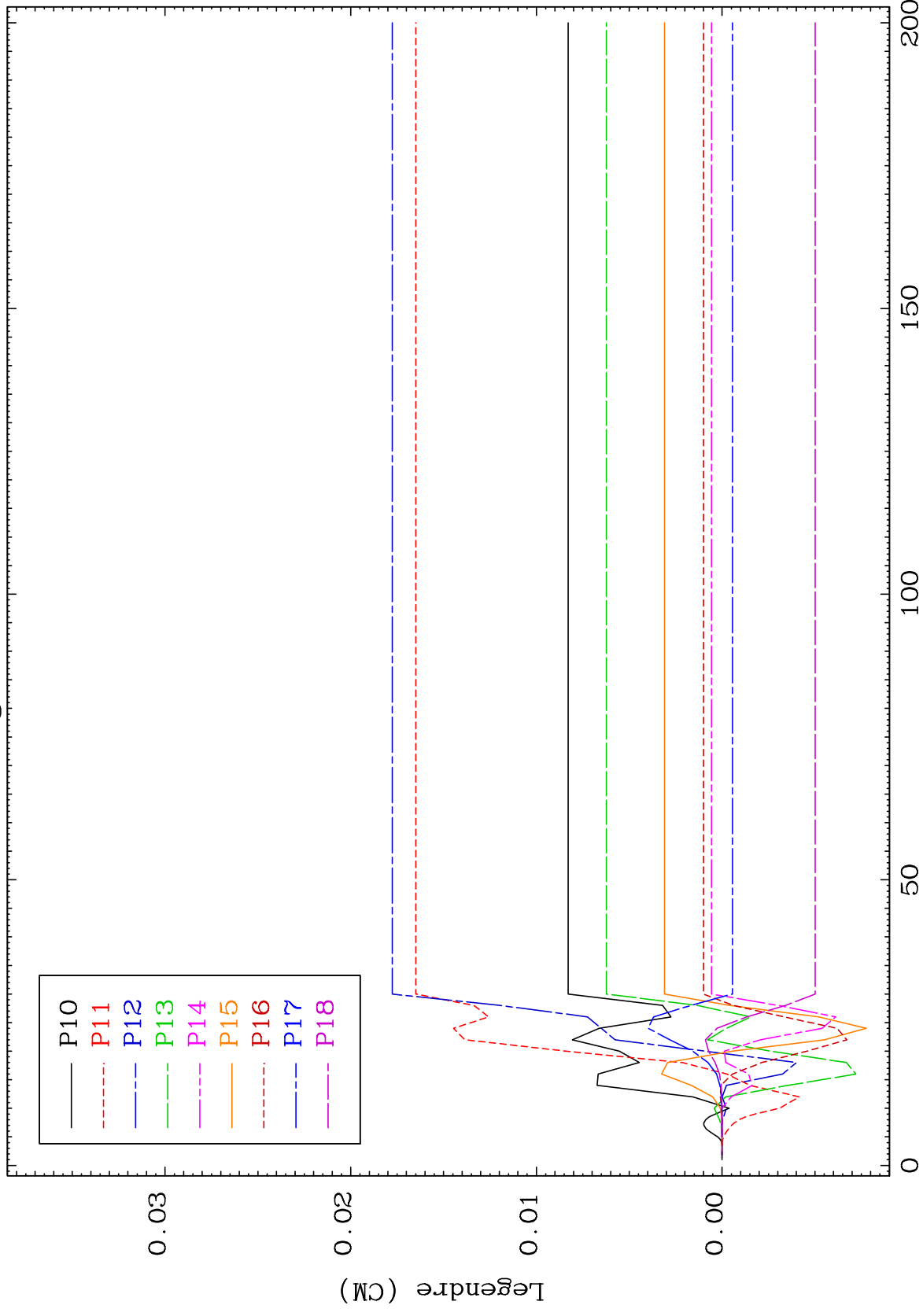
Incident Energy (MeV)

37

MAT 6191

MT= 55 (n,n') Level  
Legendre Coefficients

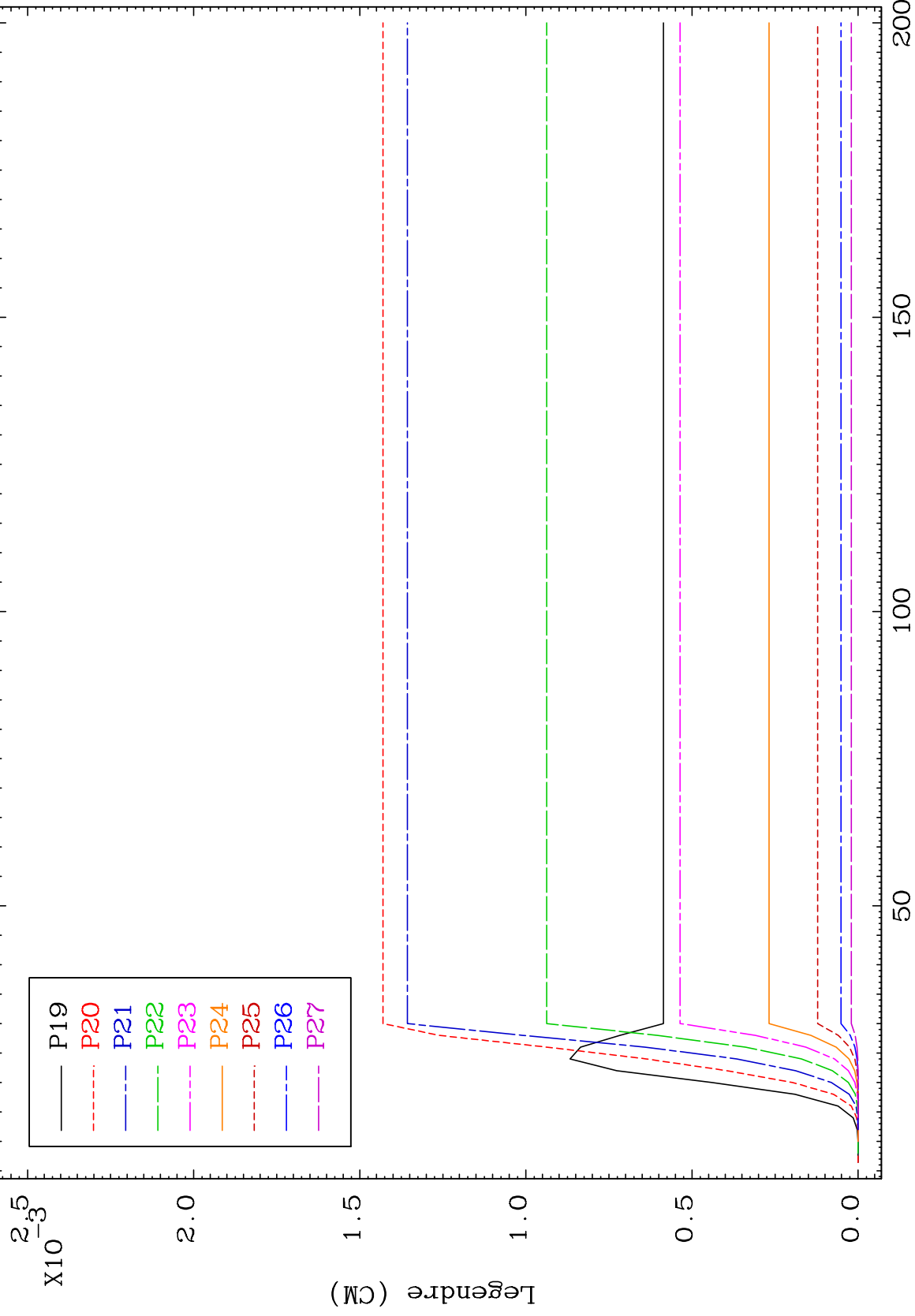
61-Pm-161



38

Incident Energy (MeV)

61-Pm-161

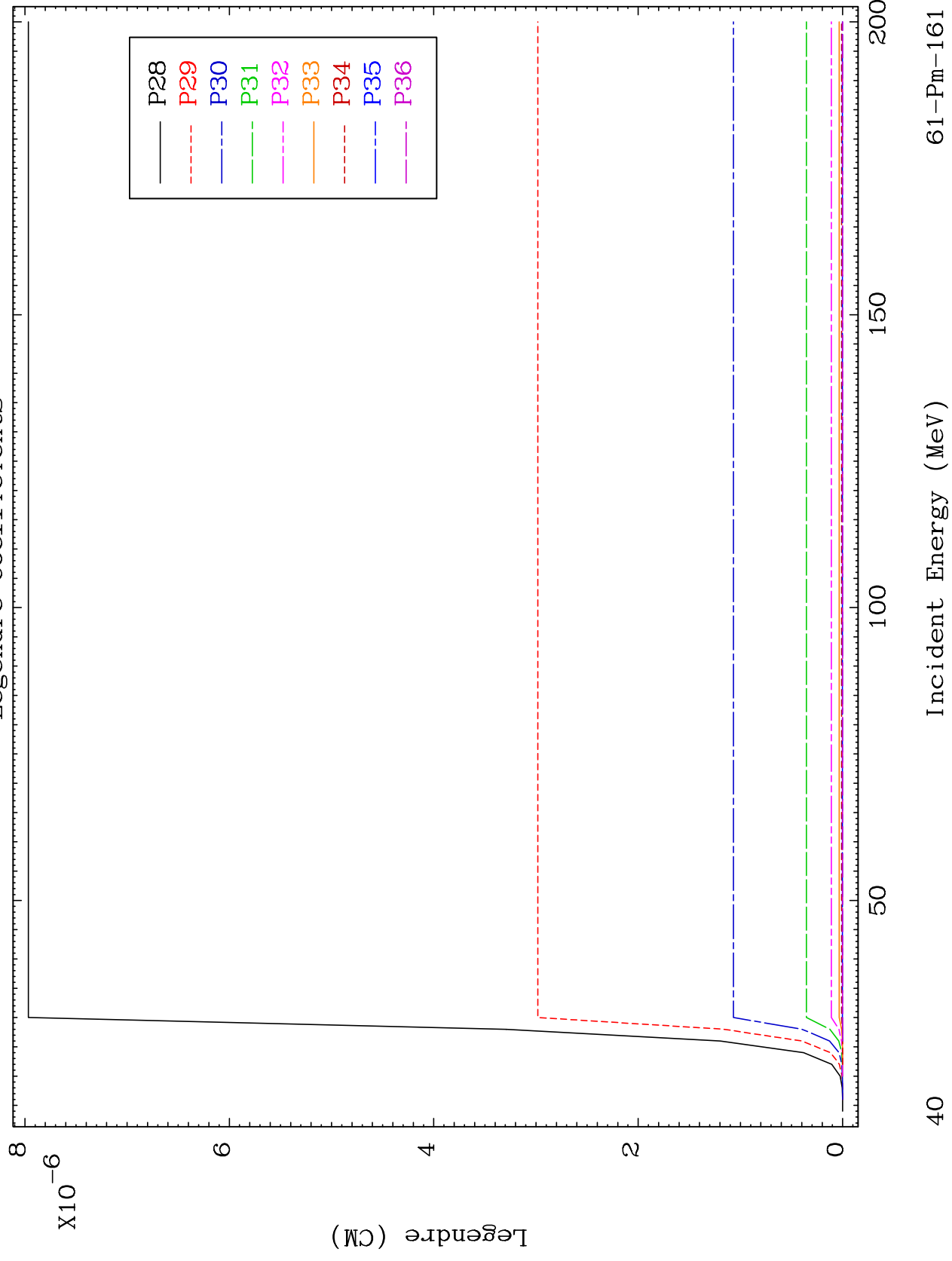




MAT 6191

MT= 55 (n,n') Level  
Legendre Coefficients

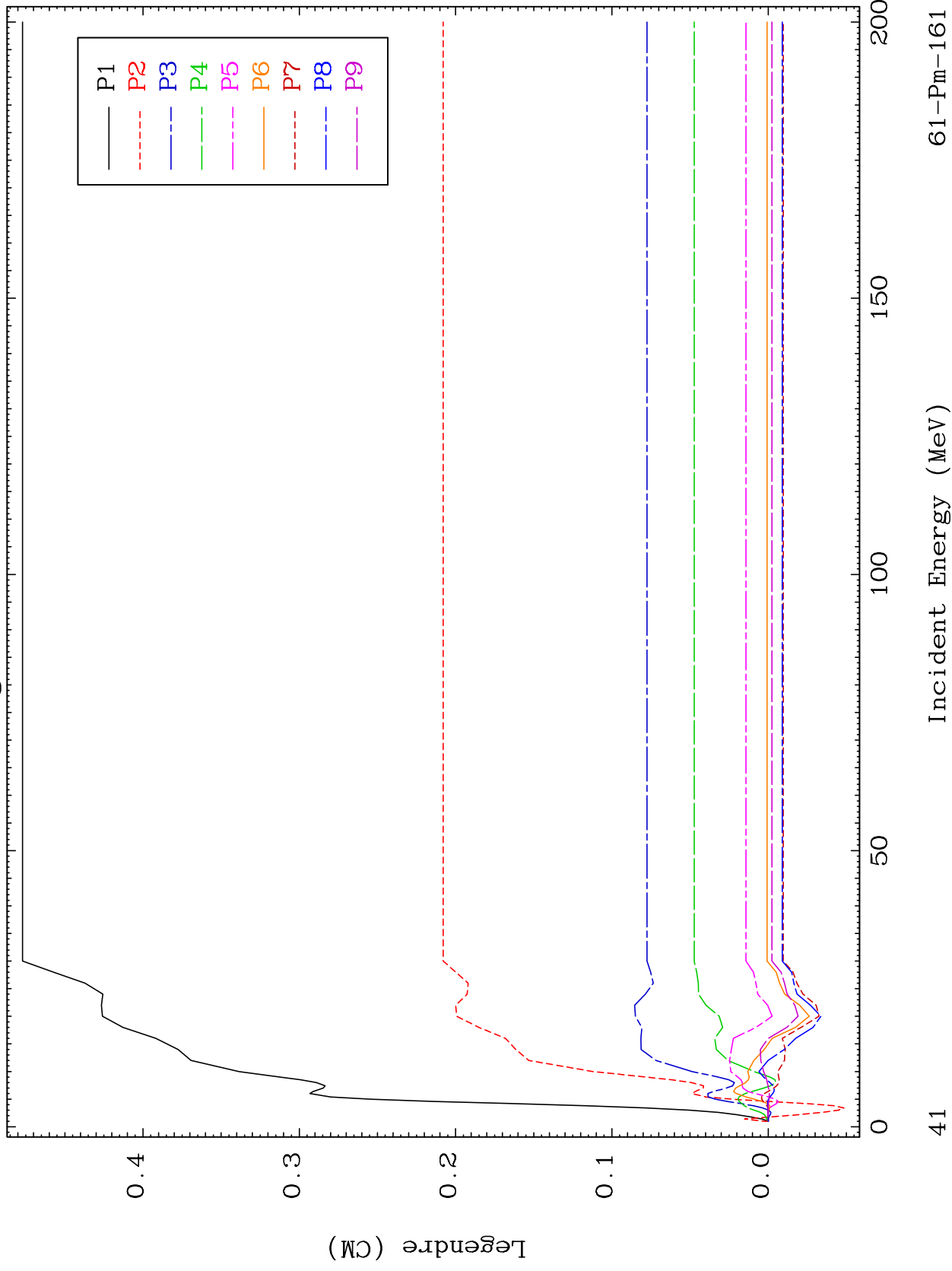
61-Pm-161



MAT 6191

MT= 56 (n,n') Level  
Legendre Coefficients

61-Pm-161



61-Pm-161

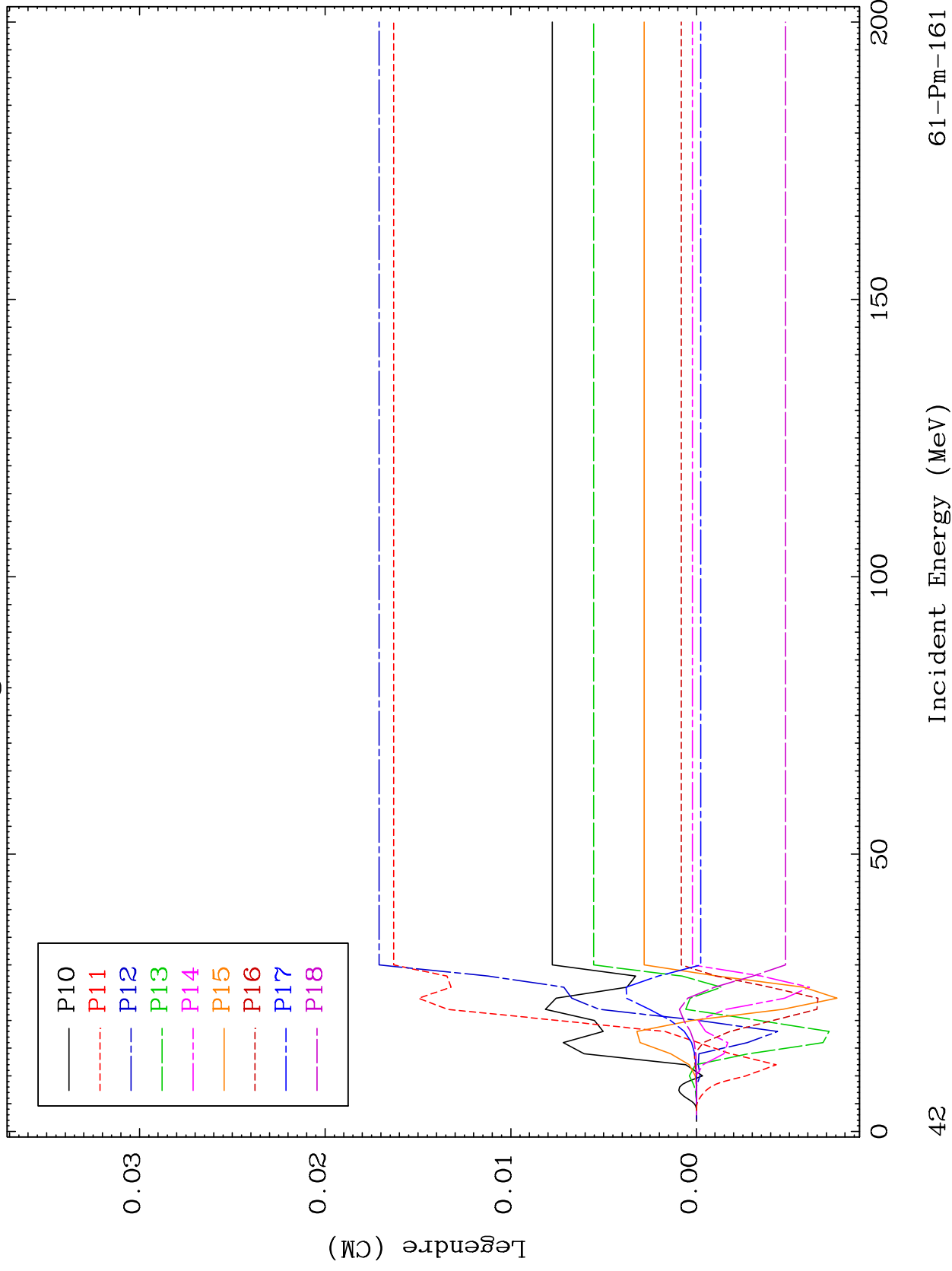
Incident Energy (MeV)

41

MAT 6191

MT= 56 (n,n') Level  
Legendre Coefficients

61-Pm-161



61-Pm-161

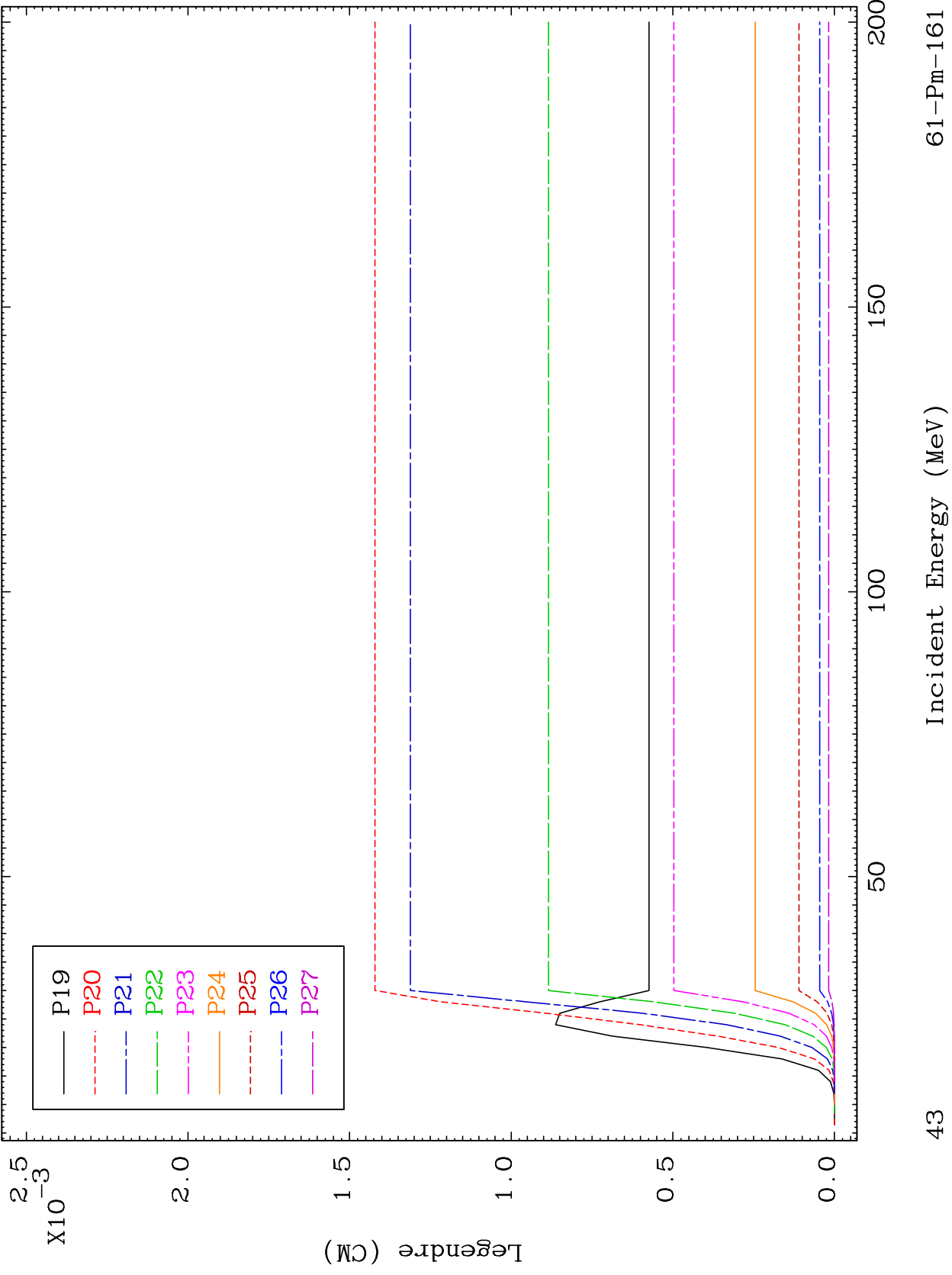
Incident Energy (MeV)

42

MAT 6191

MT= 56 (n,n') Level  
Legendre Coefficients

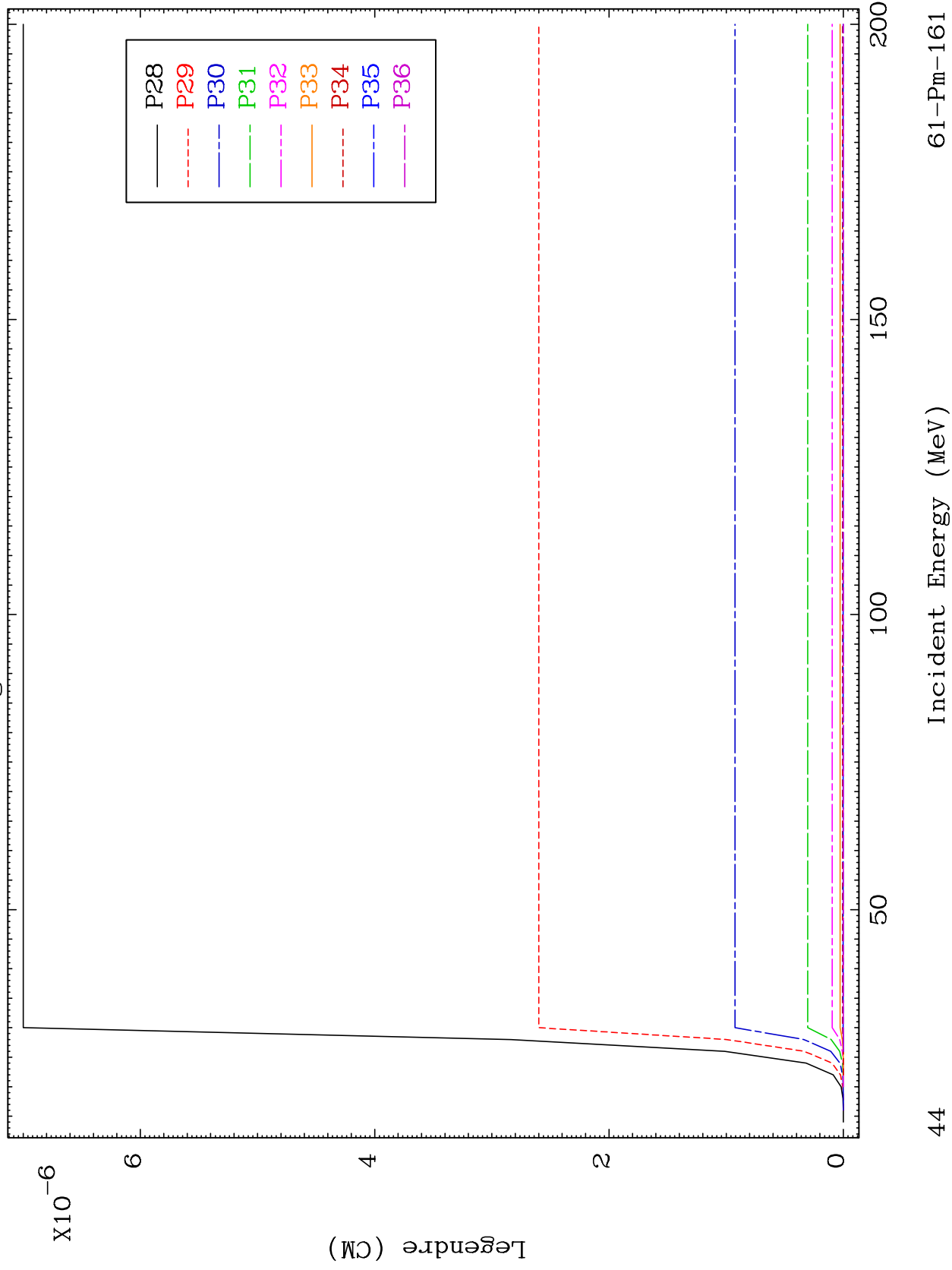
61-Pm-161



MAT 6191

MT= 56 (n,n') Level  
Legendre Coefficients

61-Pm-161



44

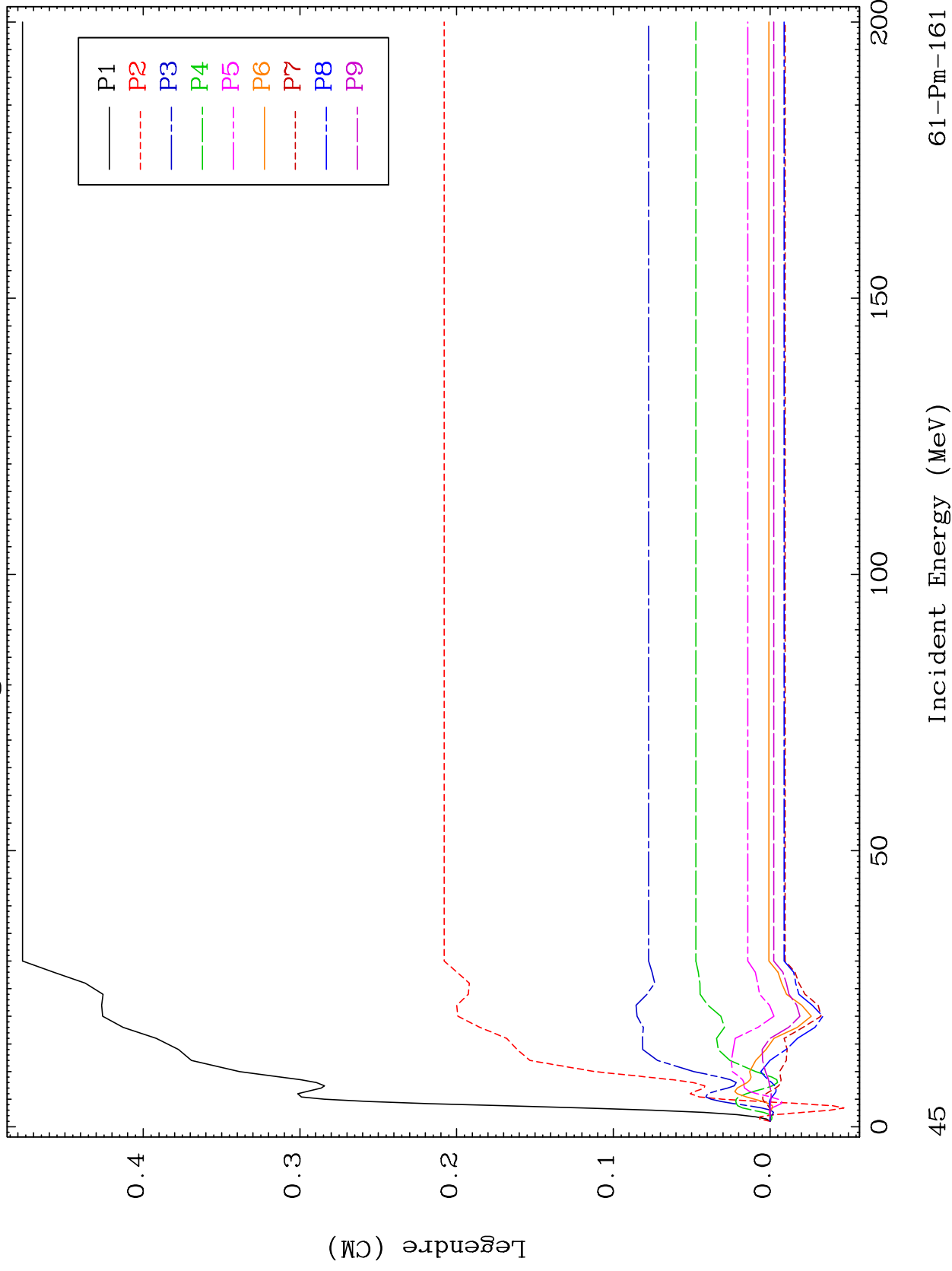
Incident Energy (MeV)

61-Pm-161

MAT 6191

MT= 57 (n,n') Level  
Legendre Coefficients

61-Pm-161



61-Pm-161

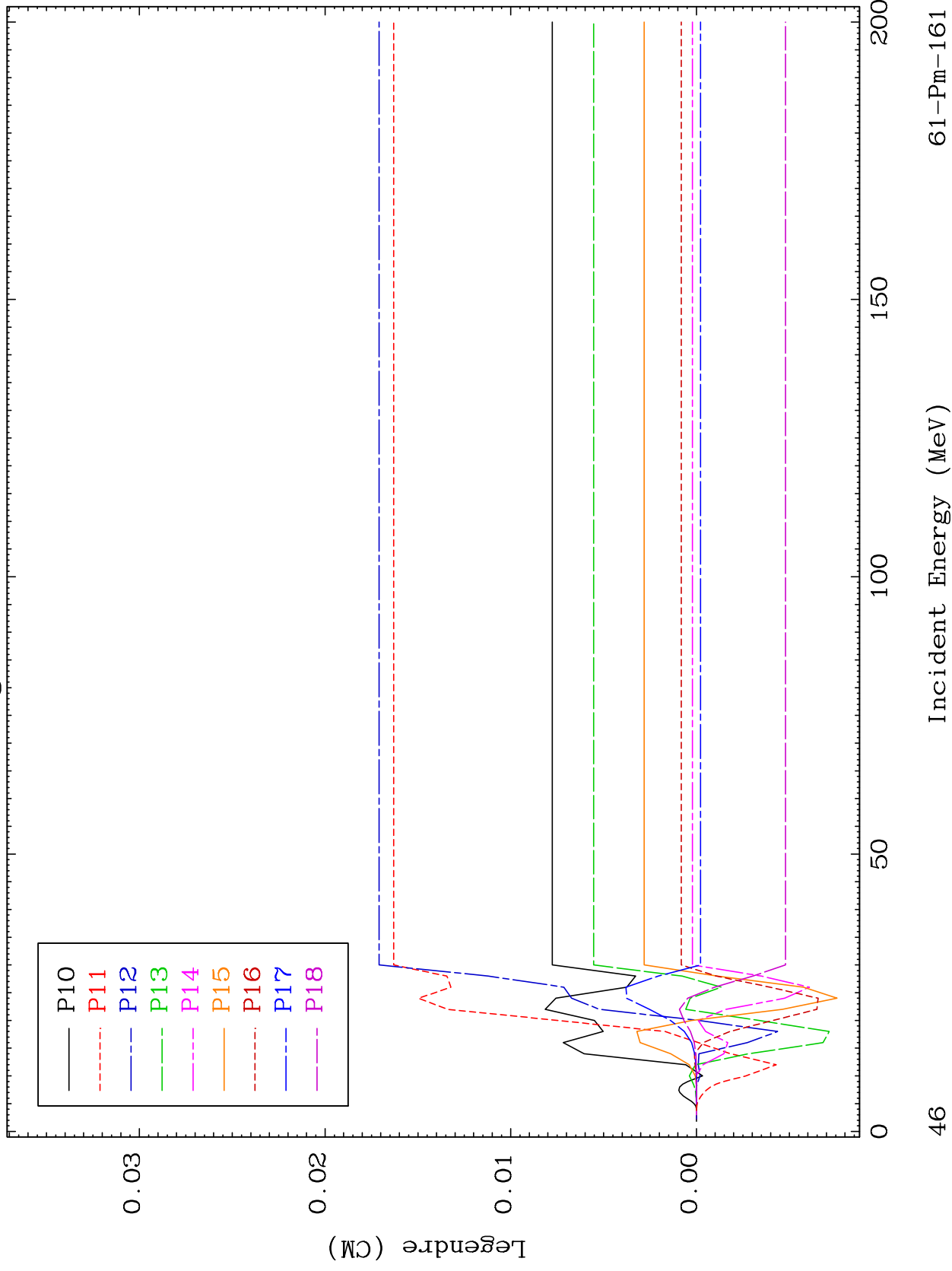
Incident Energy (MeV)

45

MAT 6191

MT= 57 (n,n') Level  
Legendre Coefficients

61-Pm-161



46

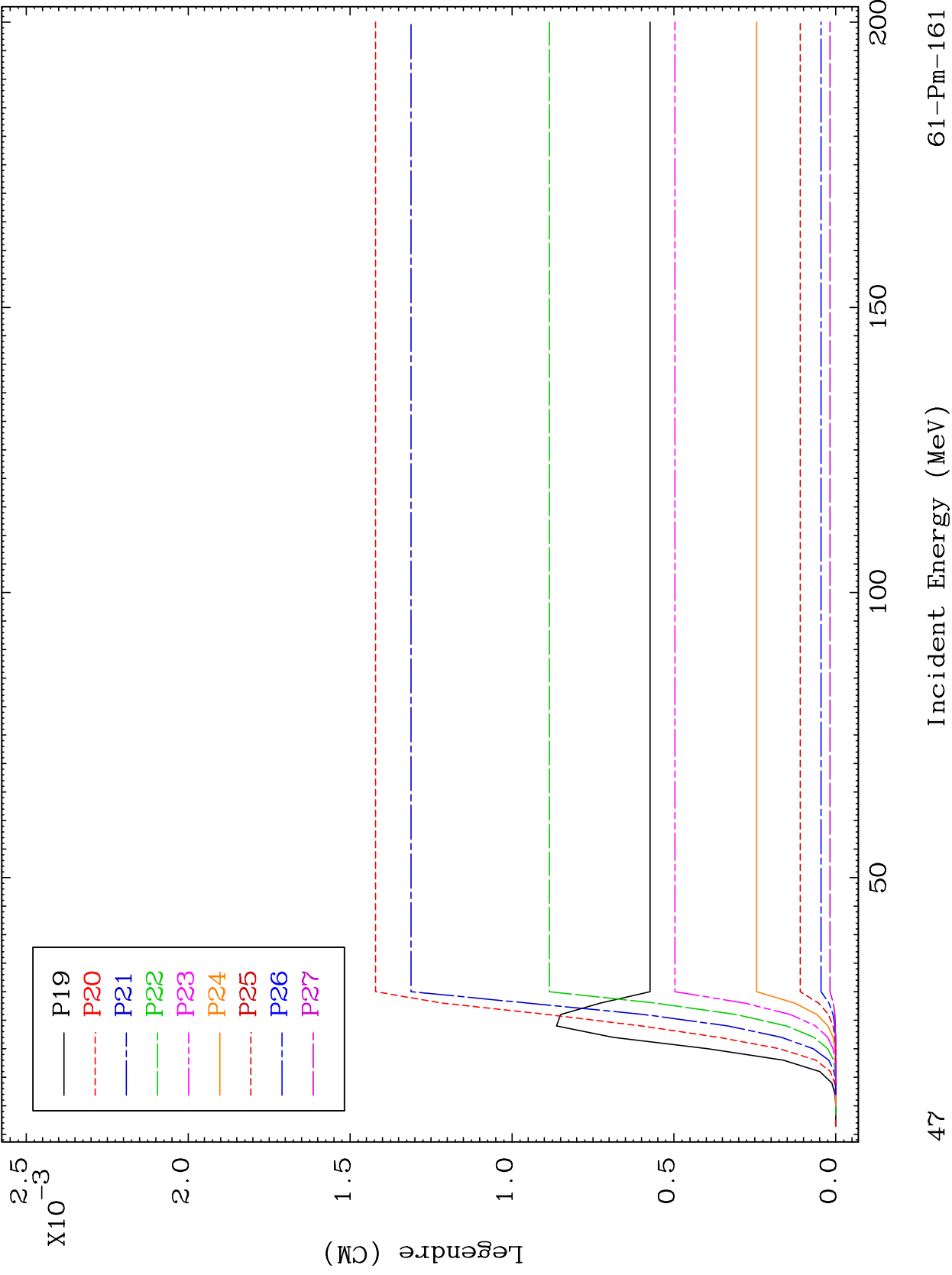
Incident Energy (MeV)

61-Pm-161

MAT 6191

MT= 57 (n,n') Level  
Legendre Coefficients

61-Pm-161



47

Incident Energy (MeV)

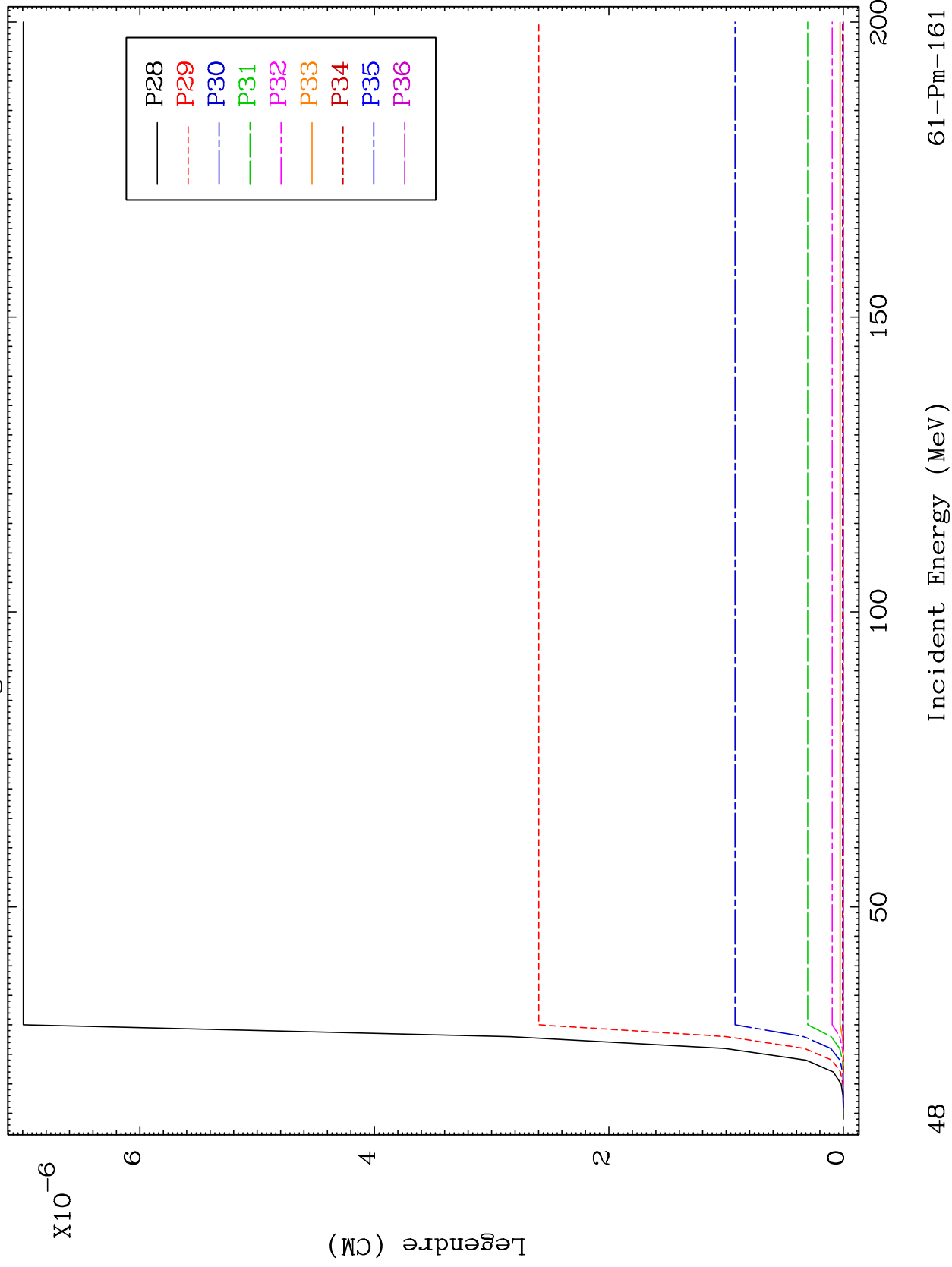
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MAT 6191

MT= 57 (n,n') Level  
Legendre Coefficients

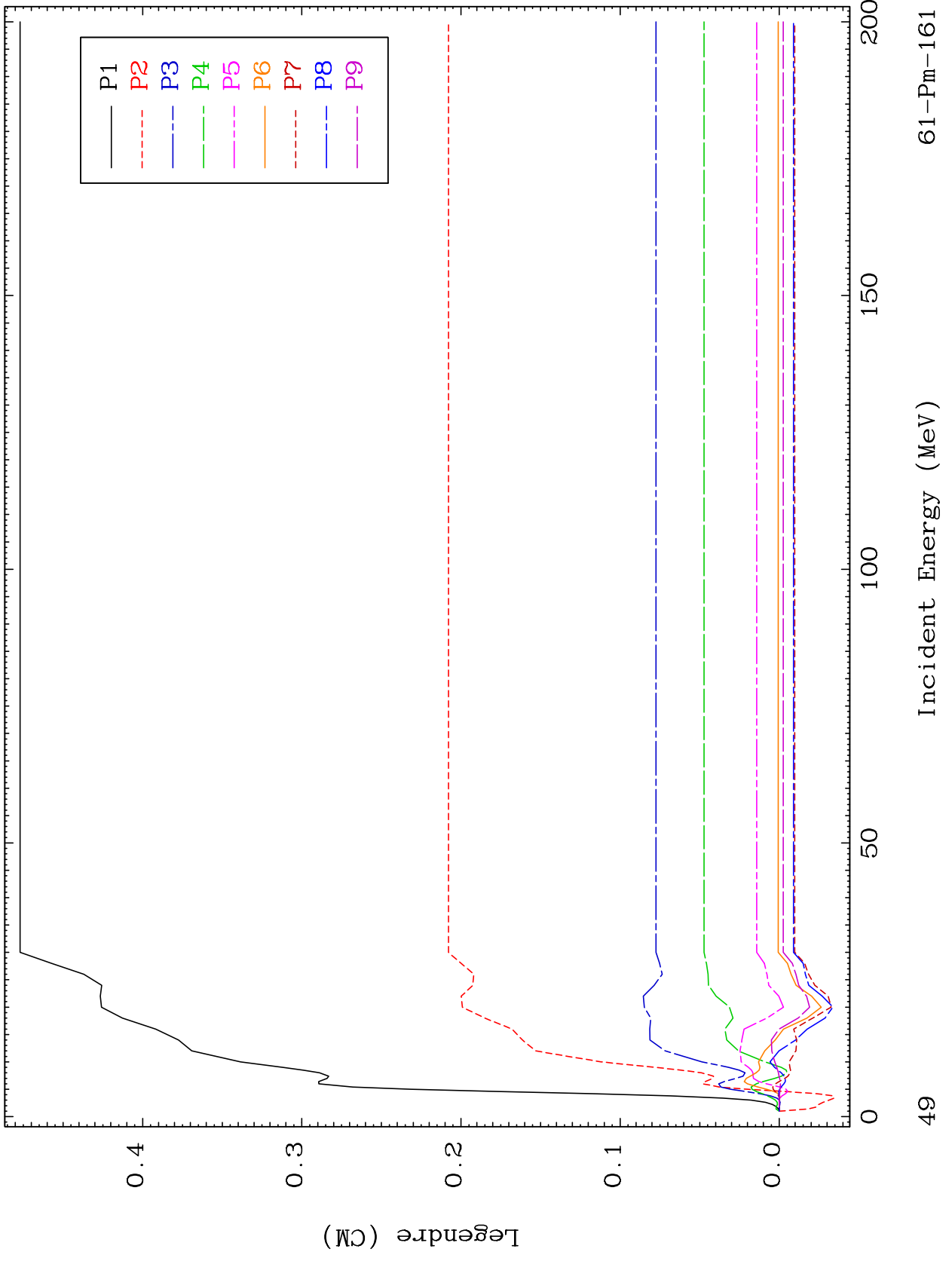
61-Pm-161



MAT 6191

MT= 58 (n,n') Level  
Legendre Coefficients

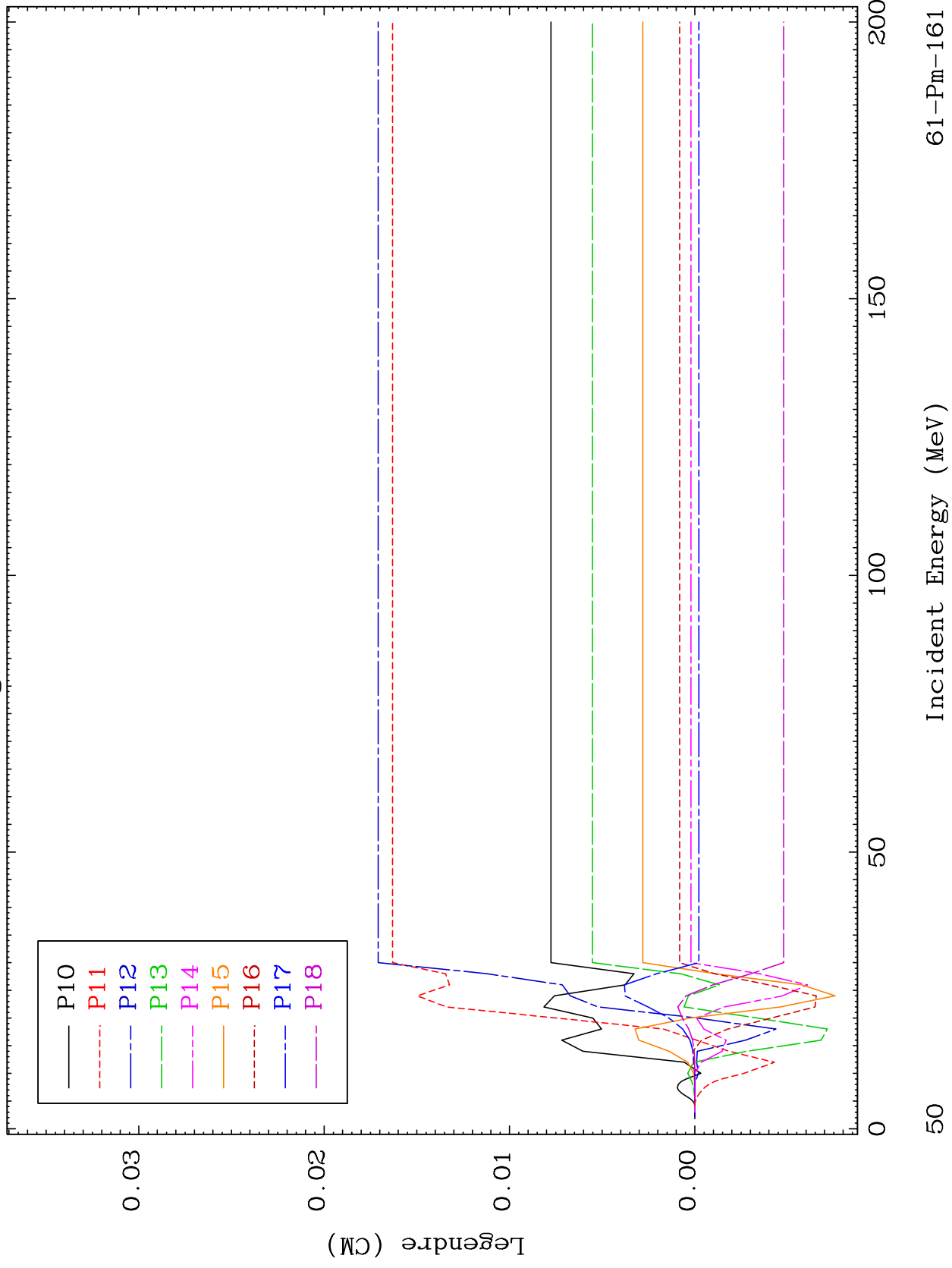
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MAT 6191

MT= 58 (n,n') Level  
Legendre Coefficients

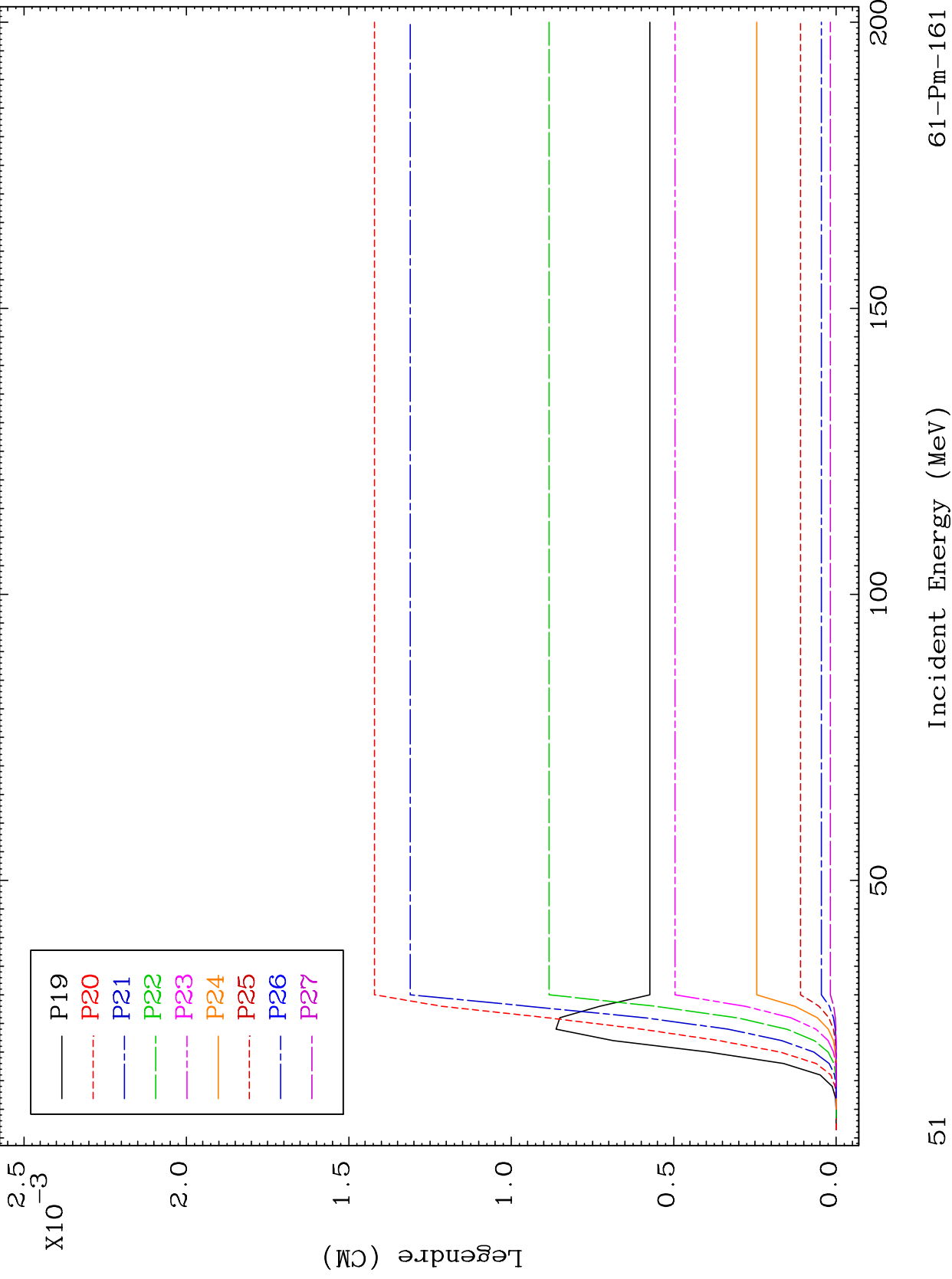
61-Pm-161



61-Pm-161

Incident Energy (MeV)

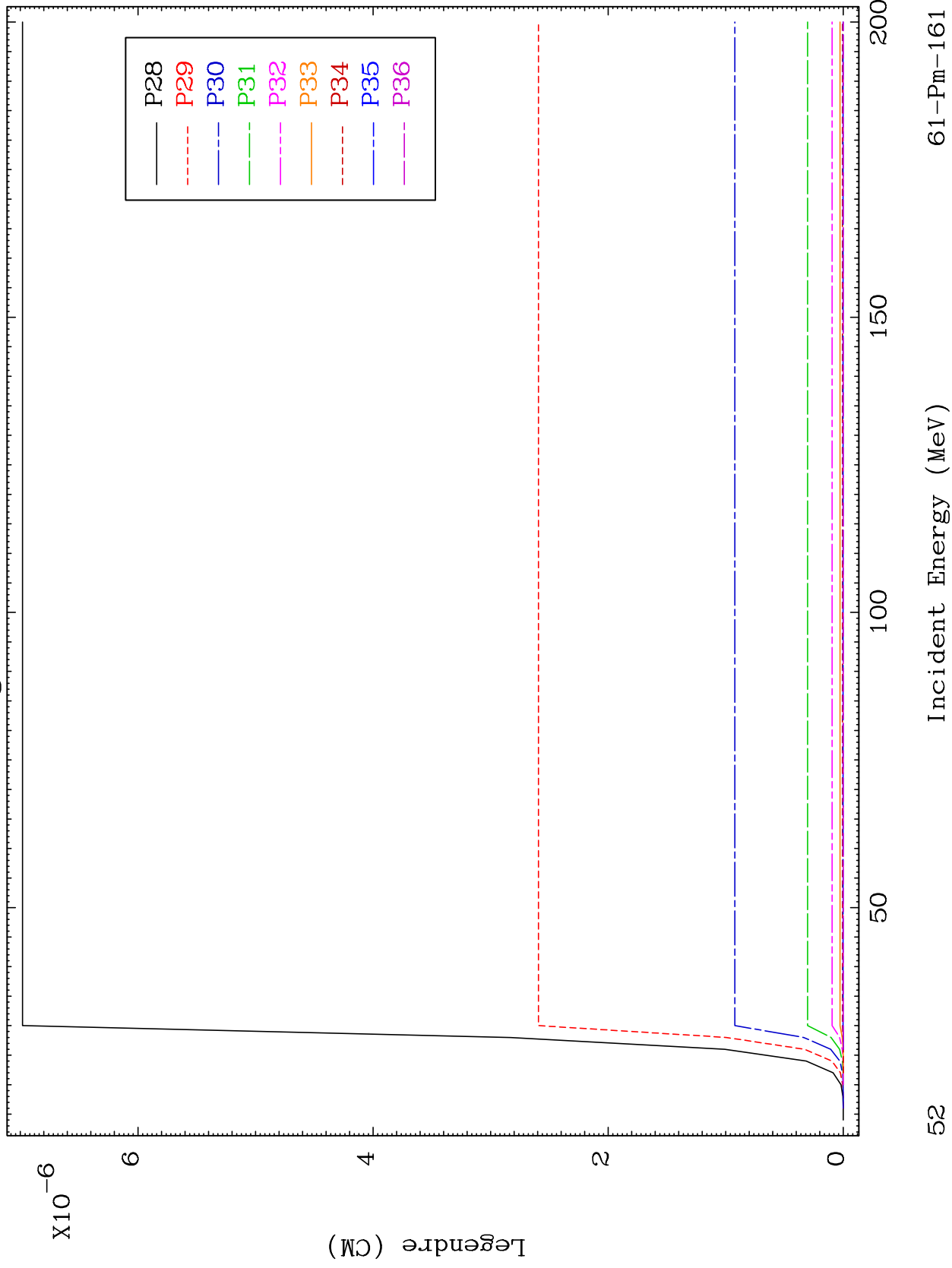
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MAT 6191

MT= 58 (n,n') Level  
Legendre Coefficients

61-Pm-161



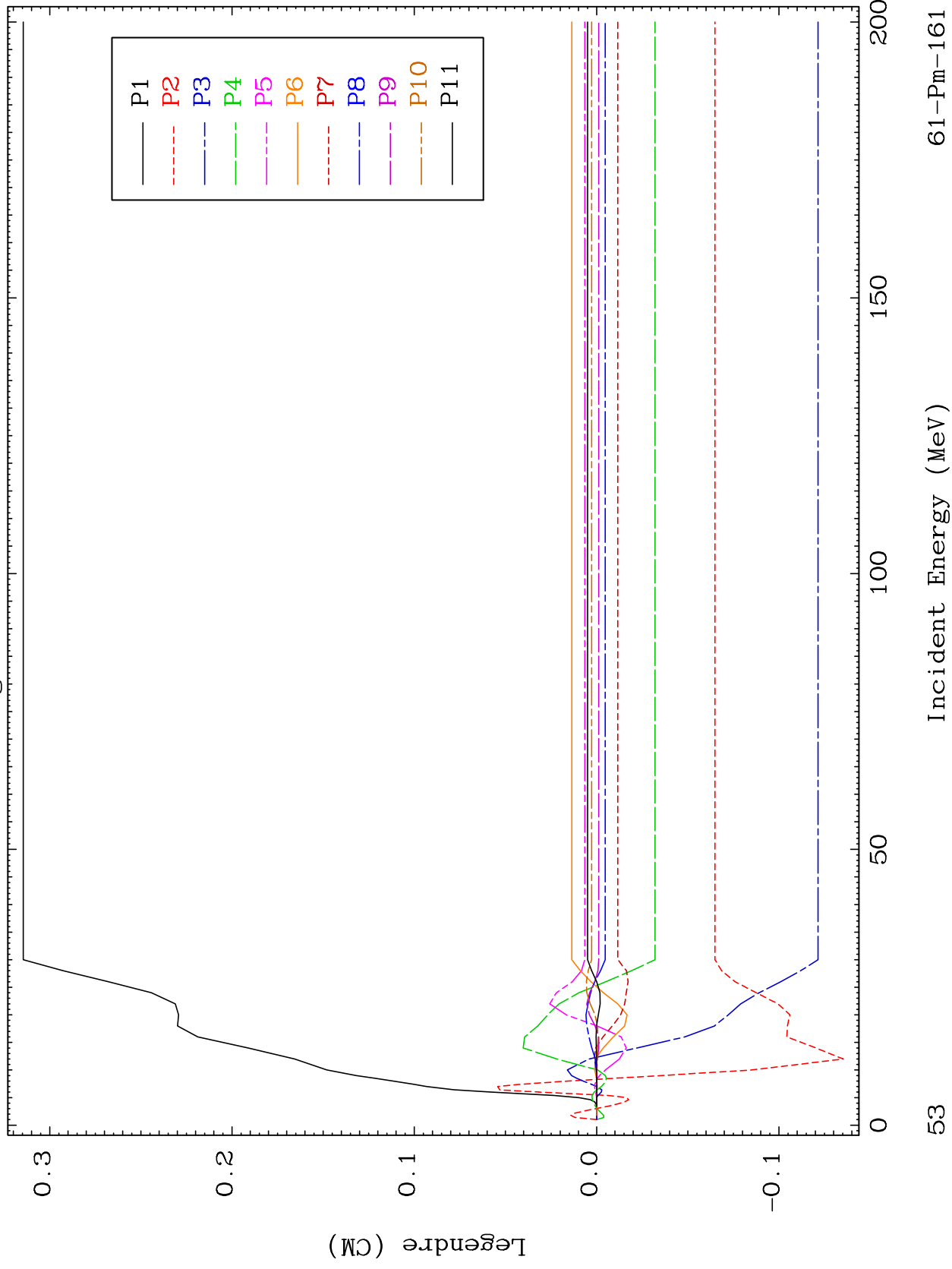
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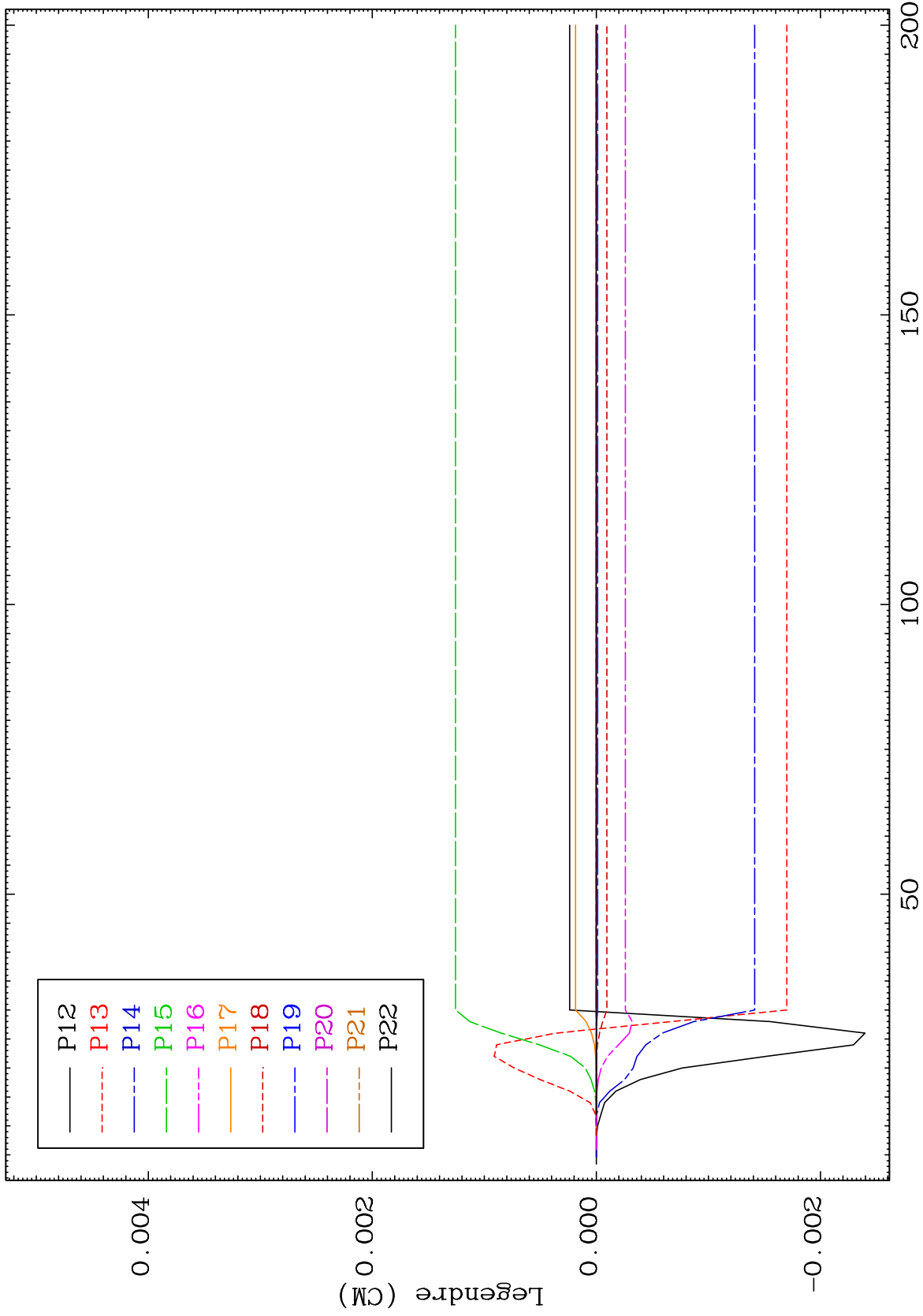
61-Pm-161

MAT 6191

MT= 59 (n,n') Level  
Legendre Coefficients

61-Pm-161

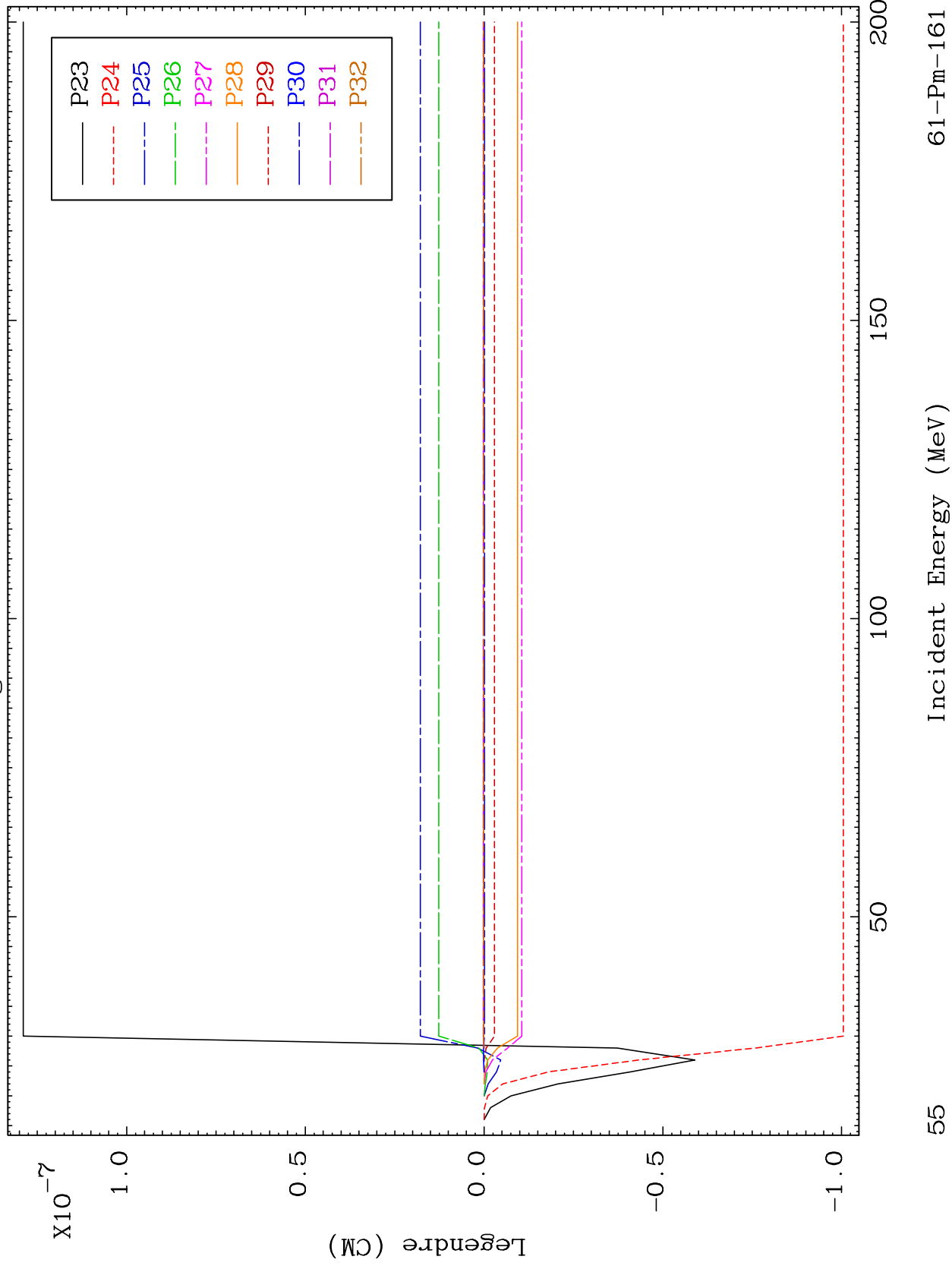




MAT 6191

MT= 59 (n,n') Level  
Legendre Coefficients

61-Pm-161



61-Pm-161

Incident Energy (MeV)

55

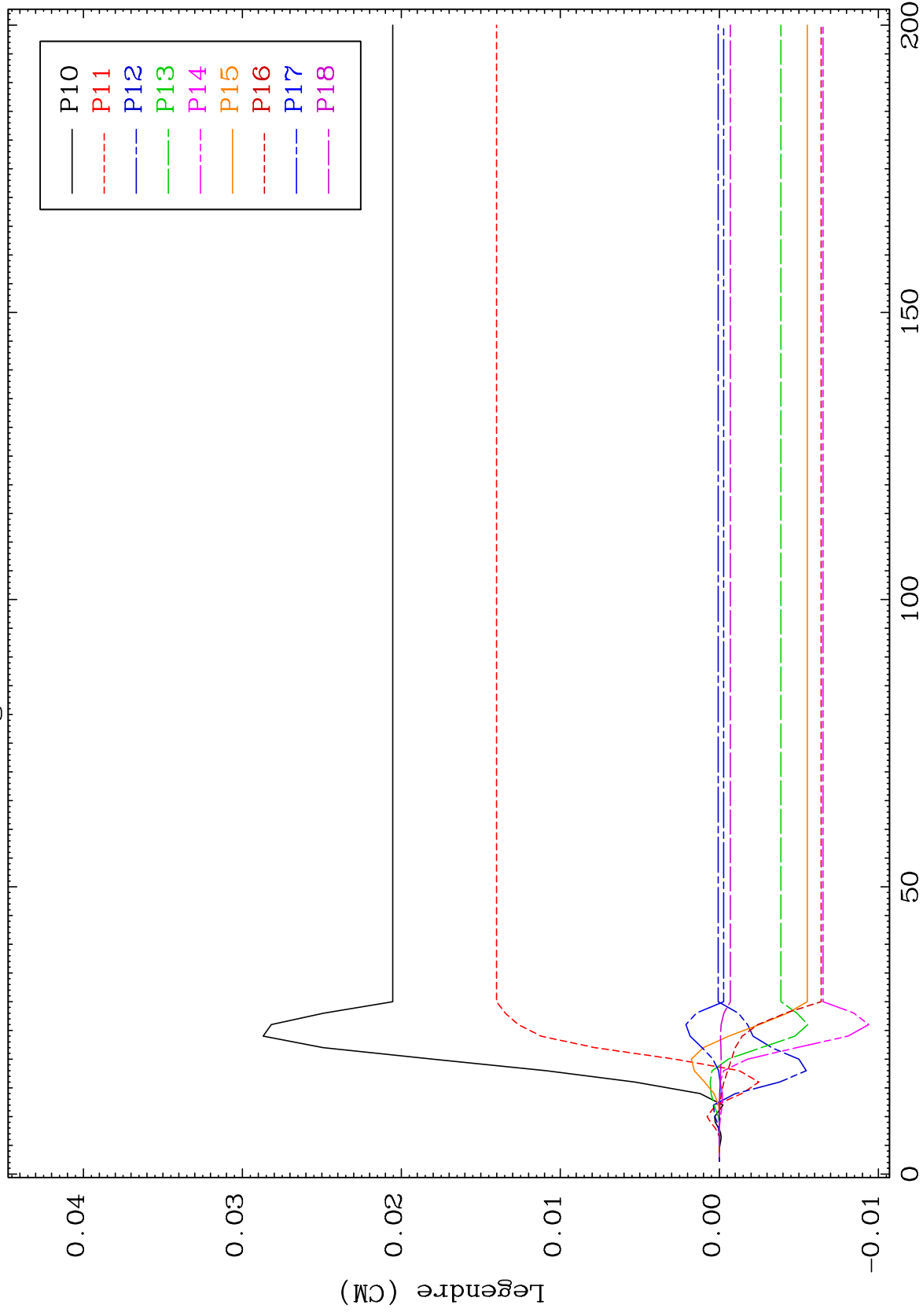




MAT 6191

MT= 60 (n,n') Level  
Legendre Coefficients

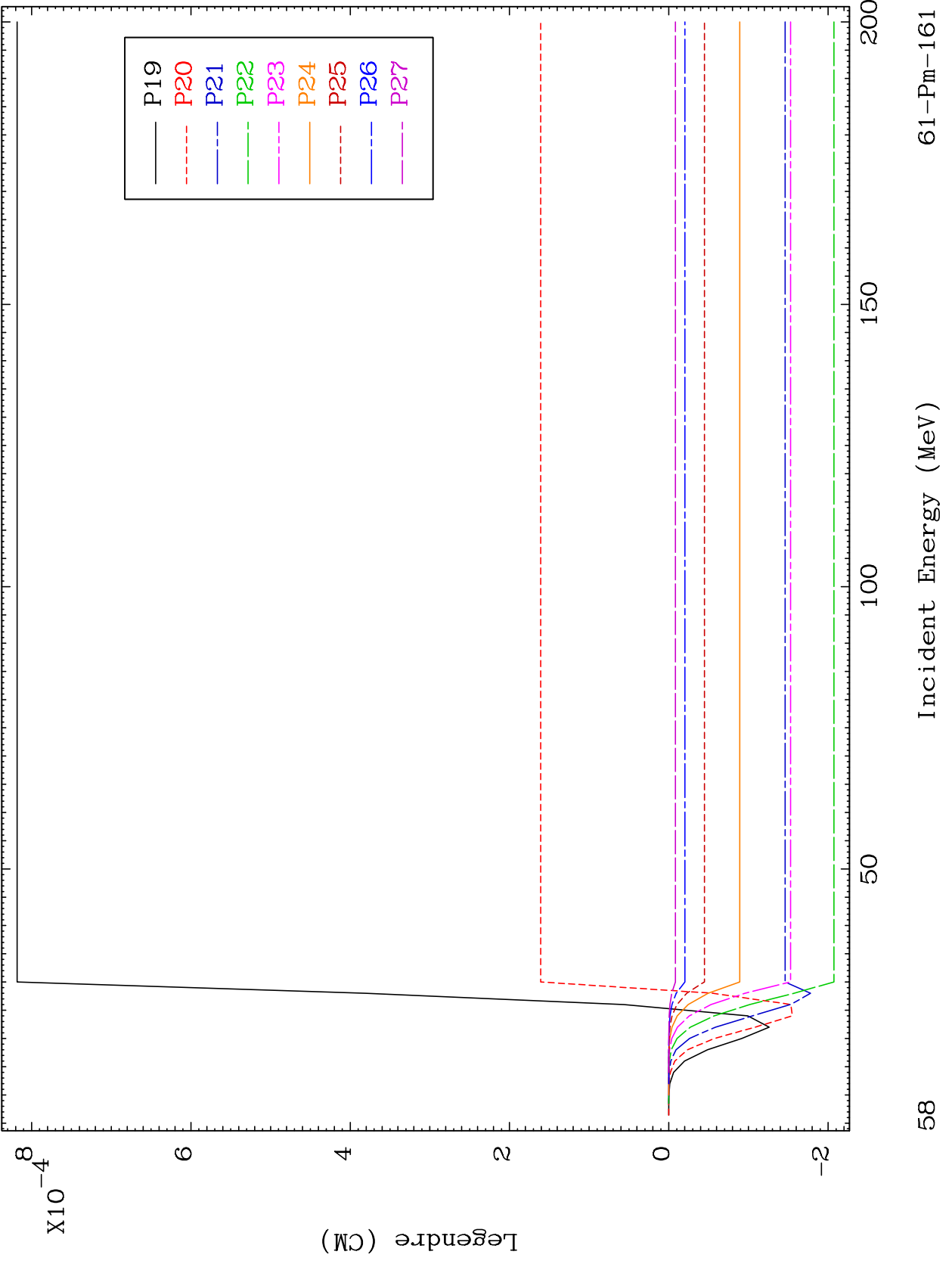
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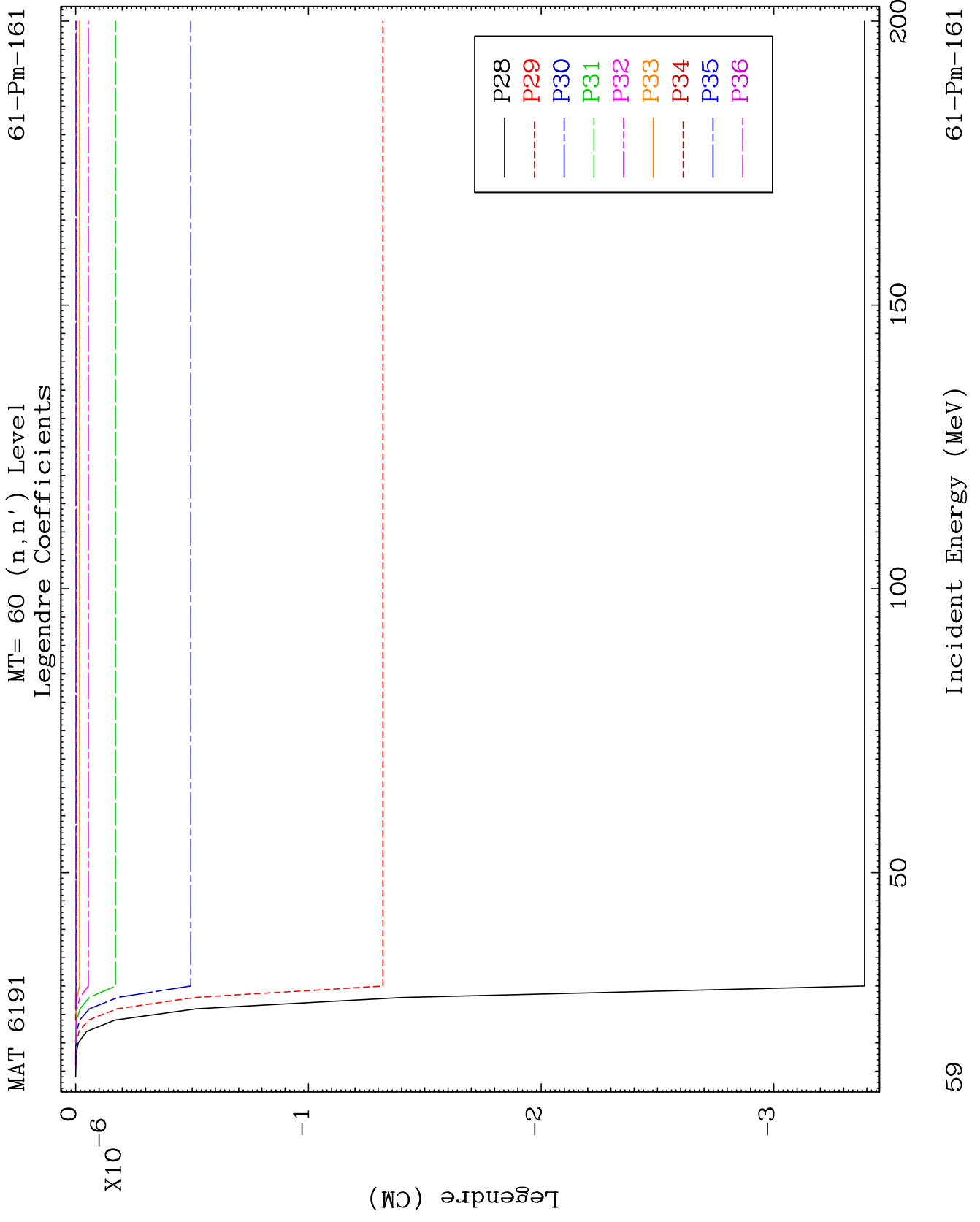


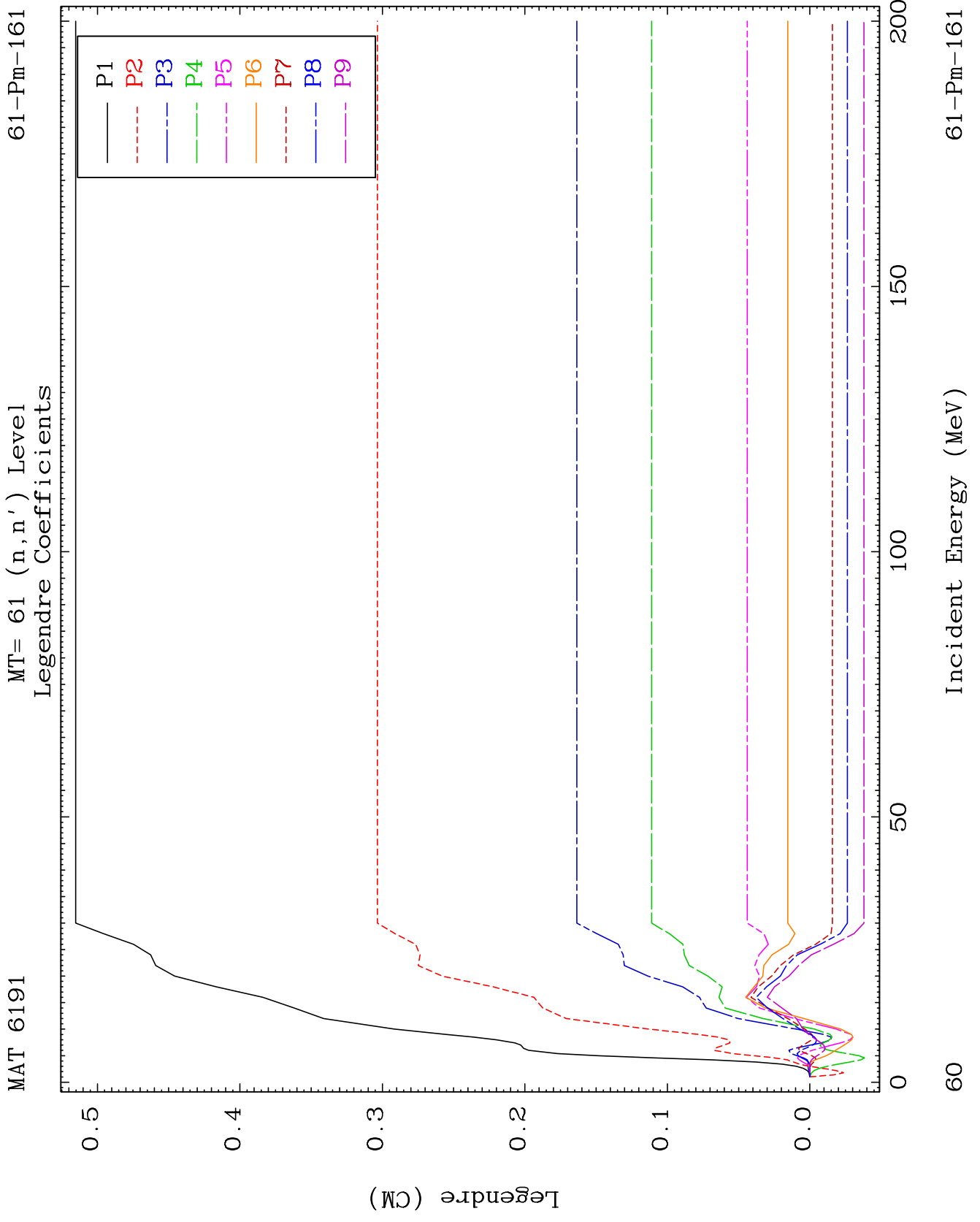
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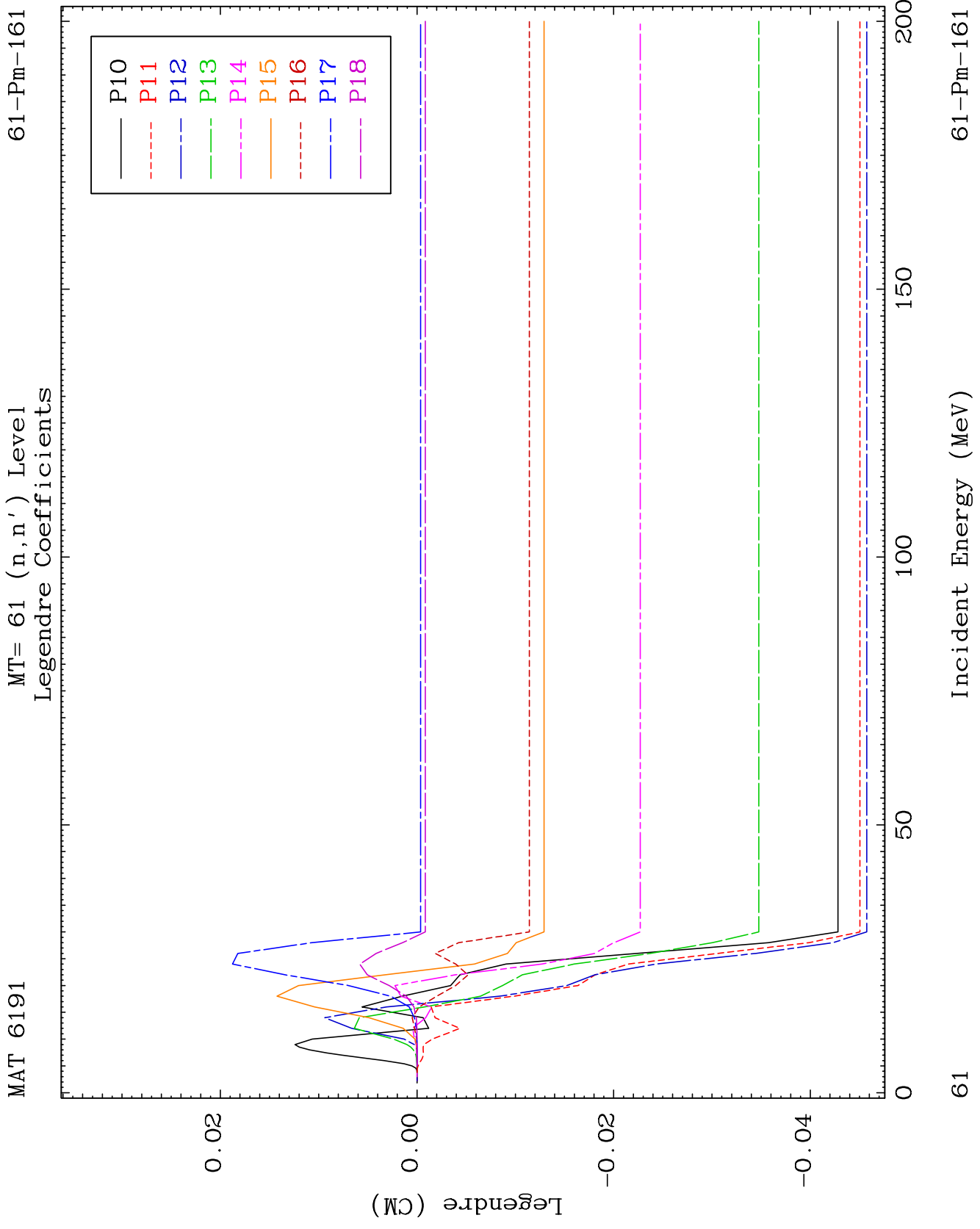
Incident Energy (MeV)

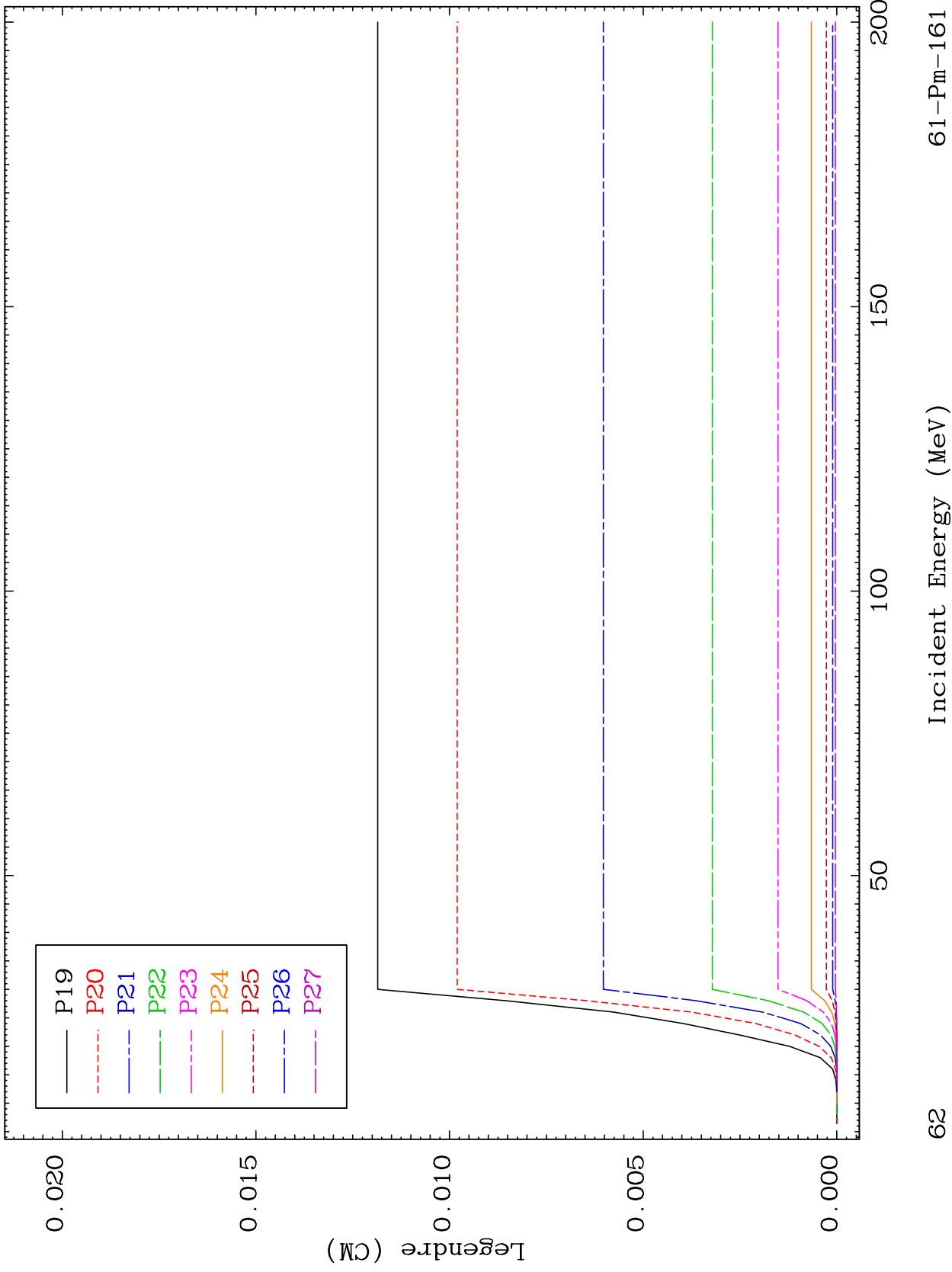
61-Pm-161







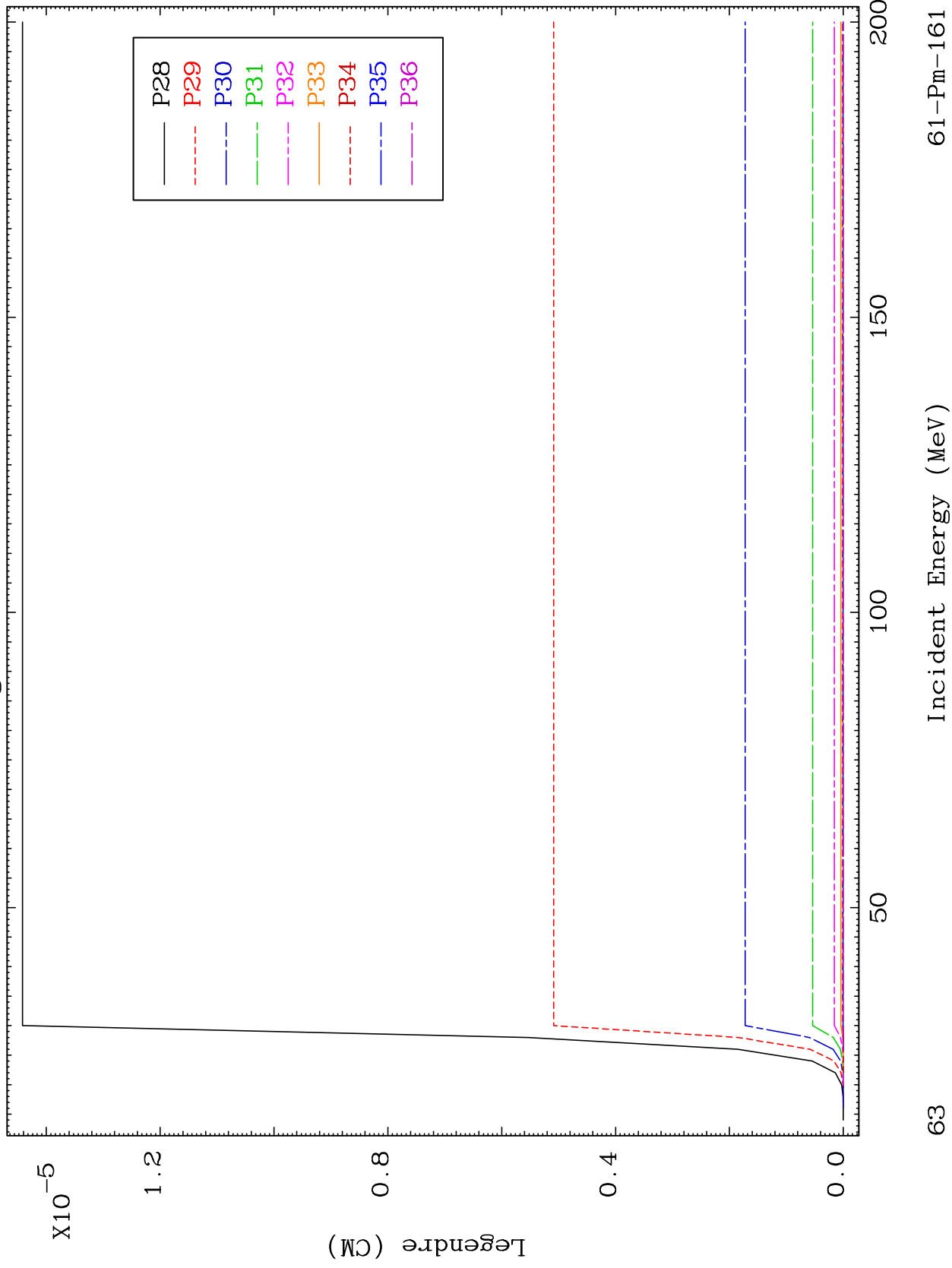




MAT 6191

MT= 61 (n,n') Level  
Legendre Coefficients

61-Pm-161



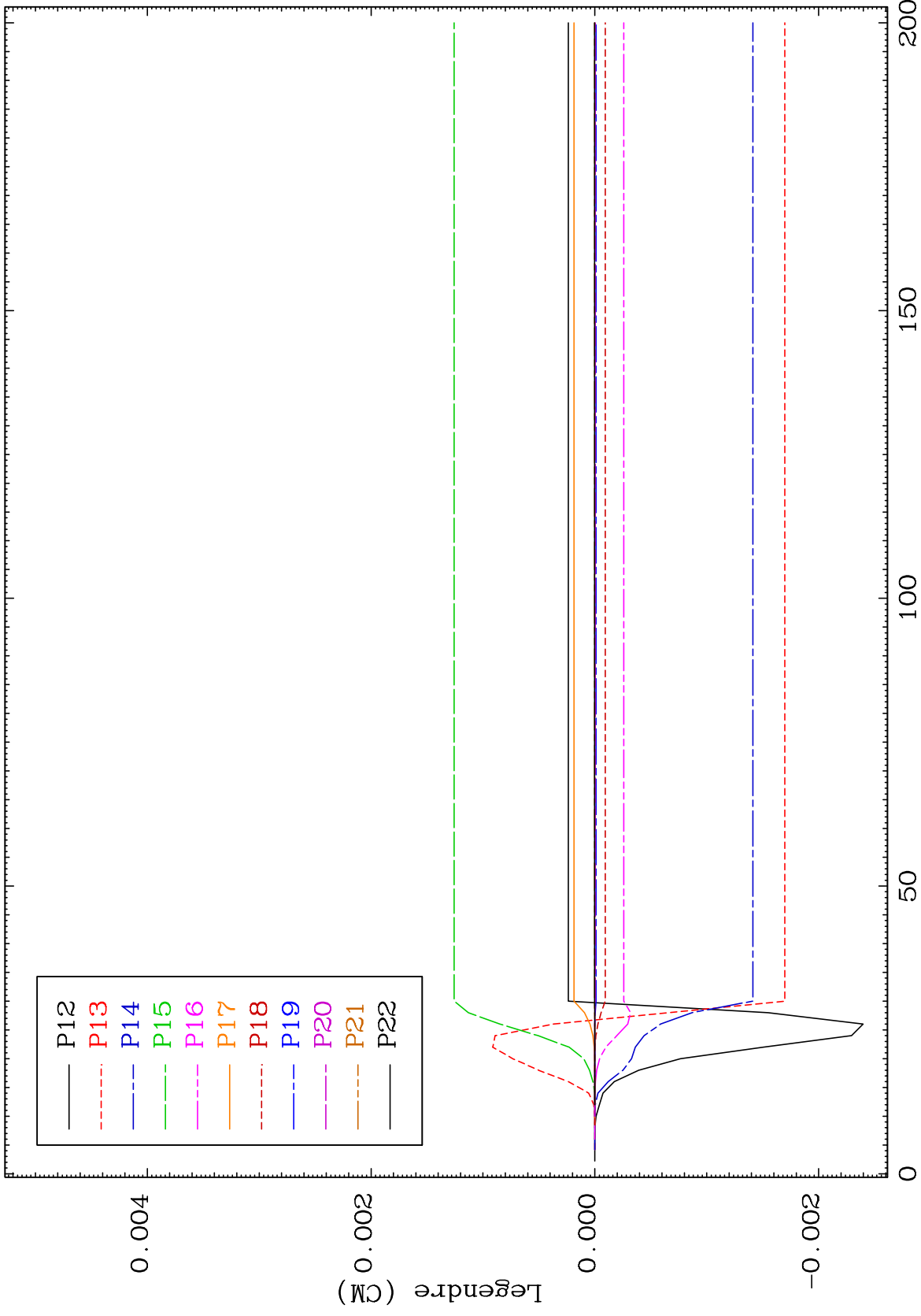




MAT 6191

MT= 62 (n,n') Level  
Legendre Coefficients

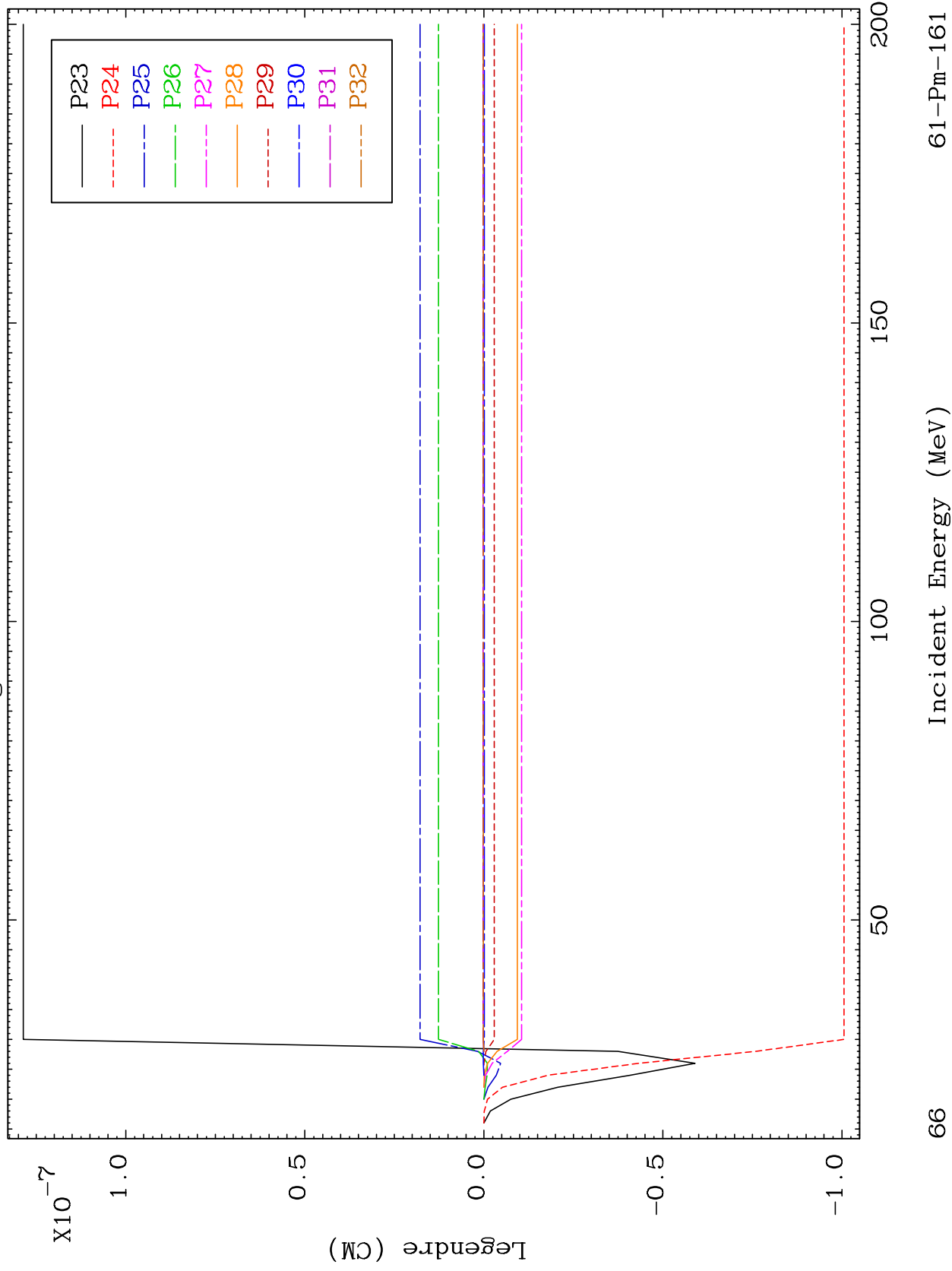
61-Pm-161



65

Incident Energy (MeV)

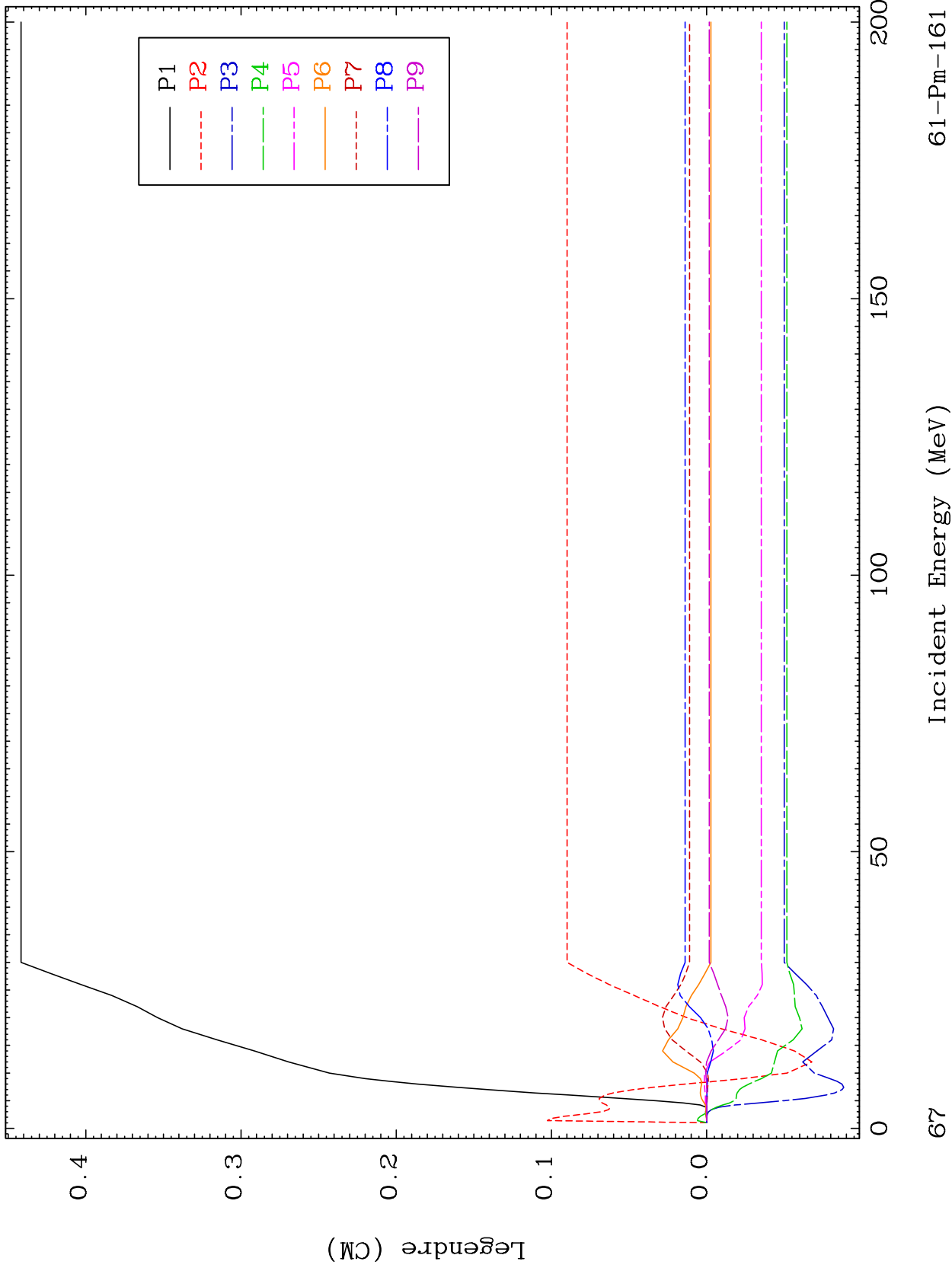
61-Pm-161



MAT 6191

MT= 63 (n,n') Level  
Legendre Coefficients

61-Pm-161



61-Pm-161

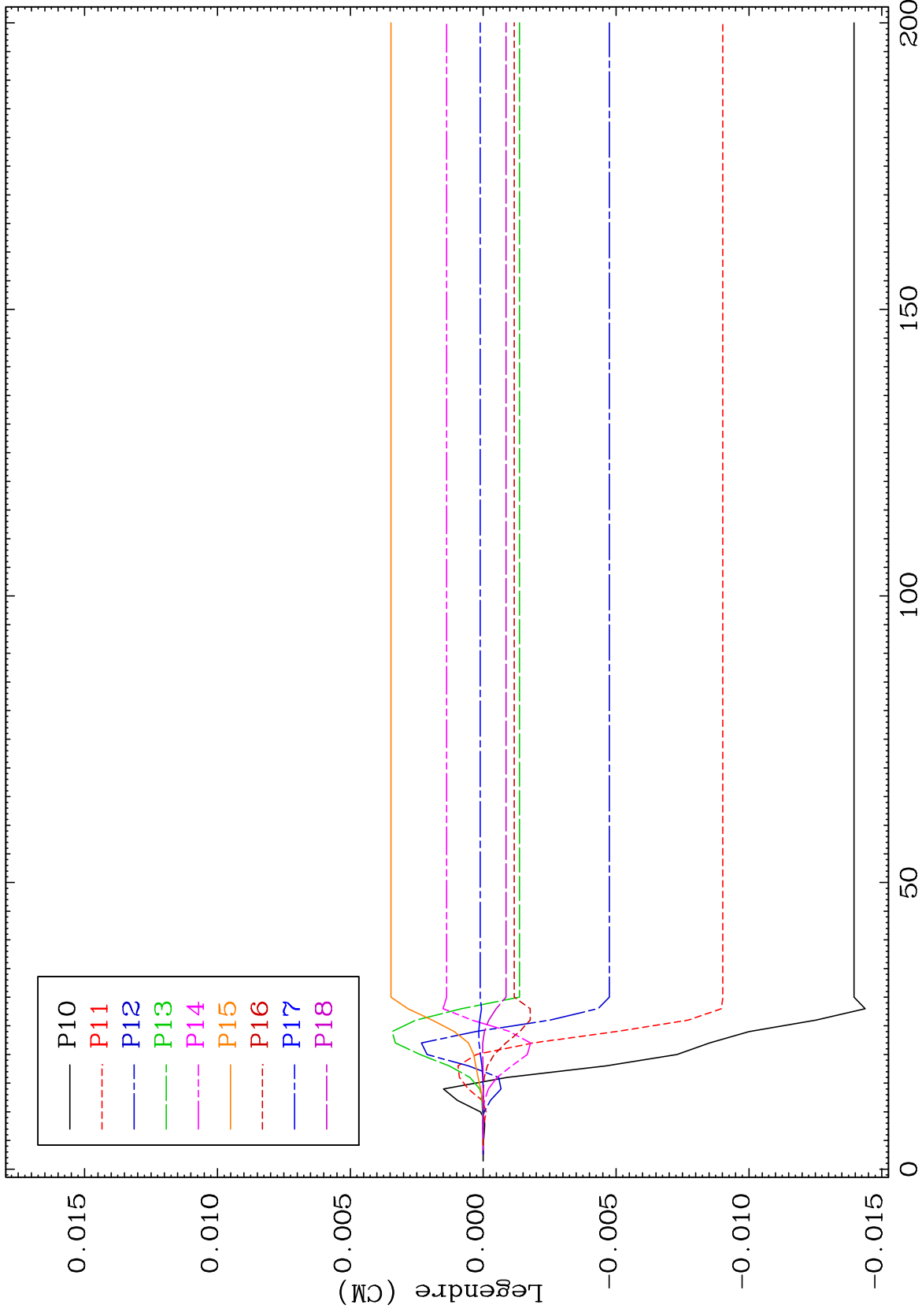
Incident Energy (MeV)

67

MAT 6191

MT= 63 (n,n') Level  
Legendre Coefficients

61-Pm-161



68

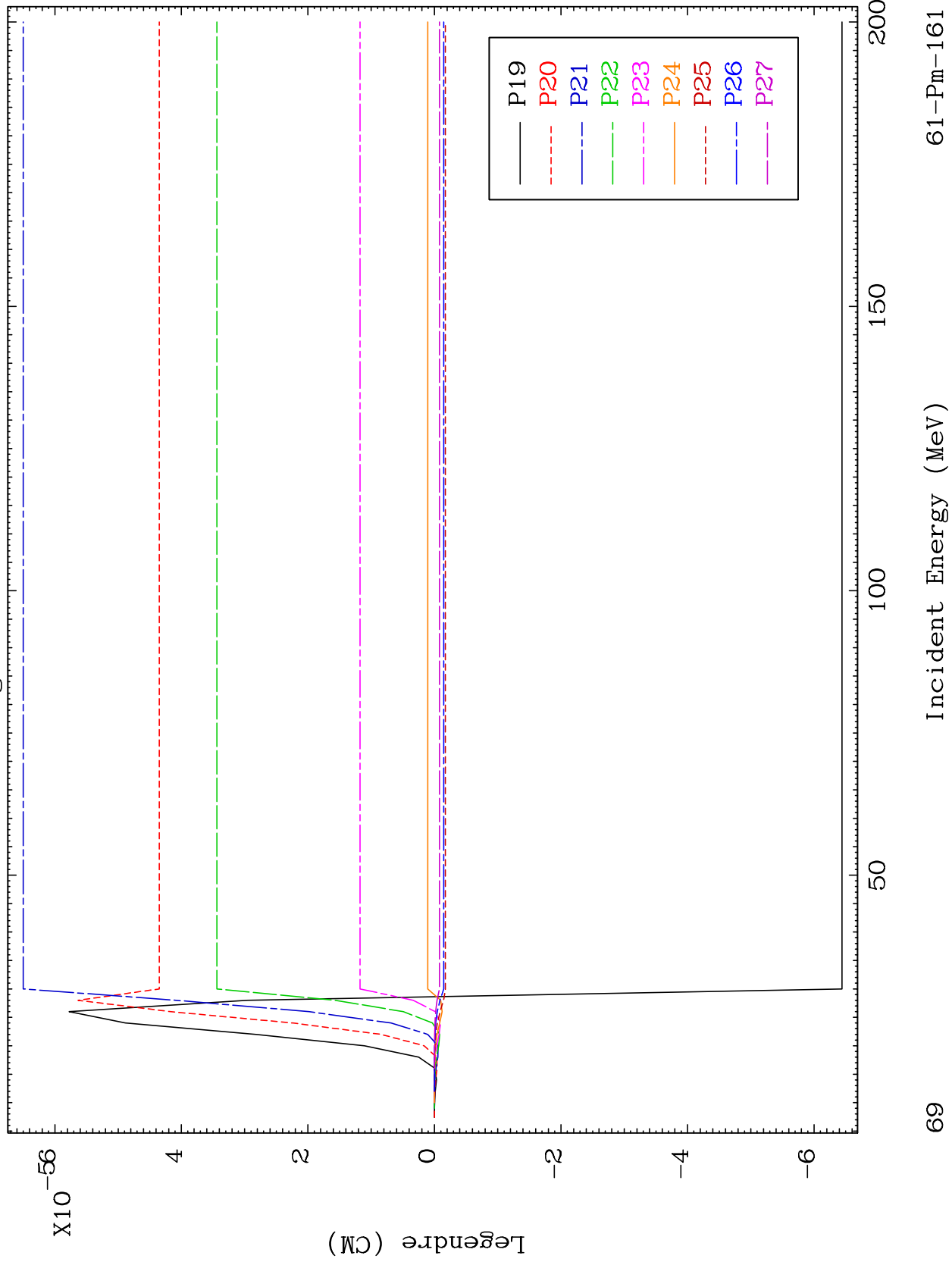
Incident Energy (MeV)

61-Pm-161

MAT 6191

61-Pm-161

MT= 63 (n,n') Level  
Legendre Coefficients



69

61-Pm-161

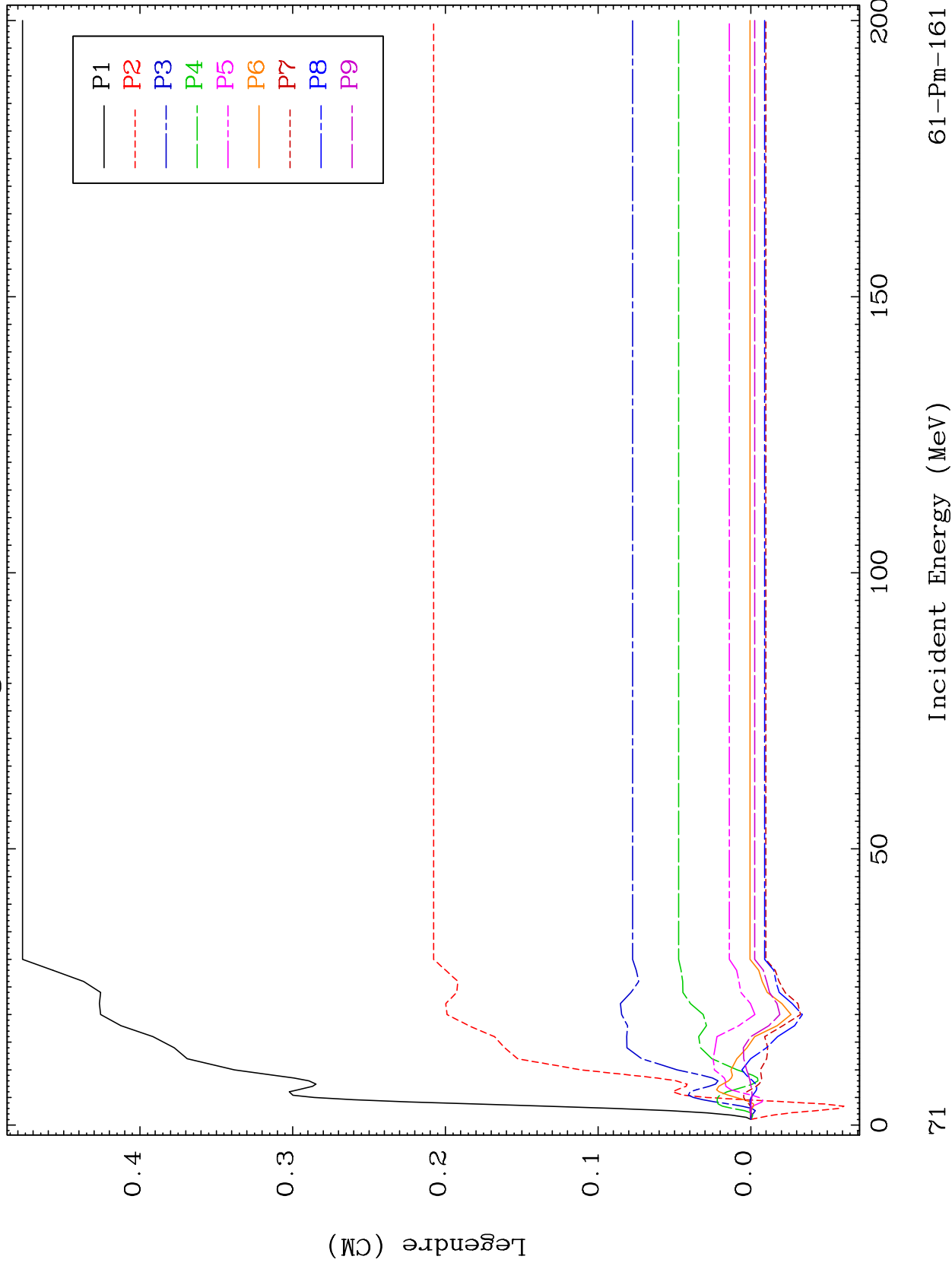
Incident Energy (MeV)



MAT 6191

MT= 64 (n,n') Level  
Legendre Coefficients

61-Pm-161



71

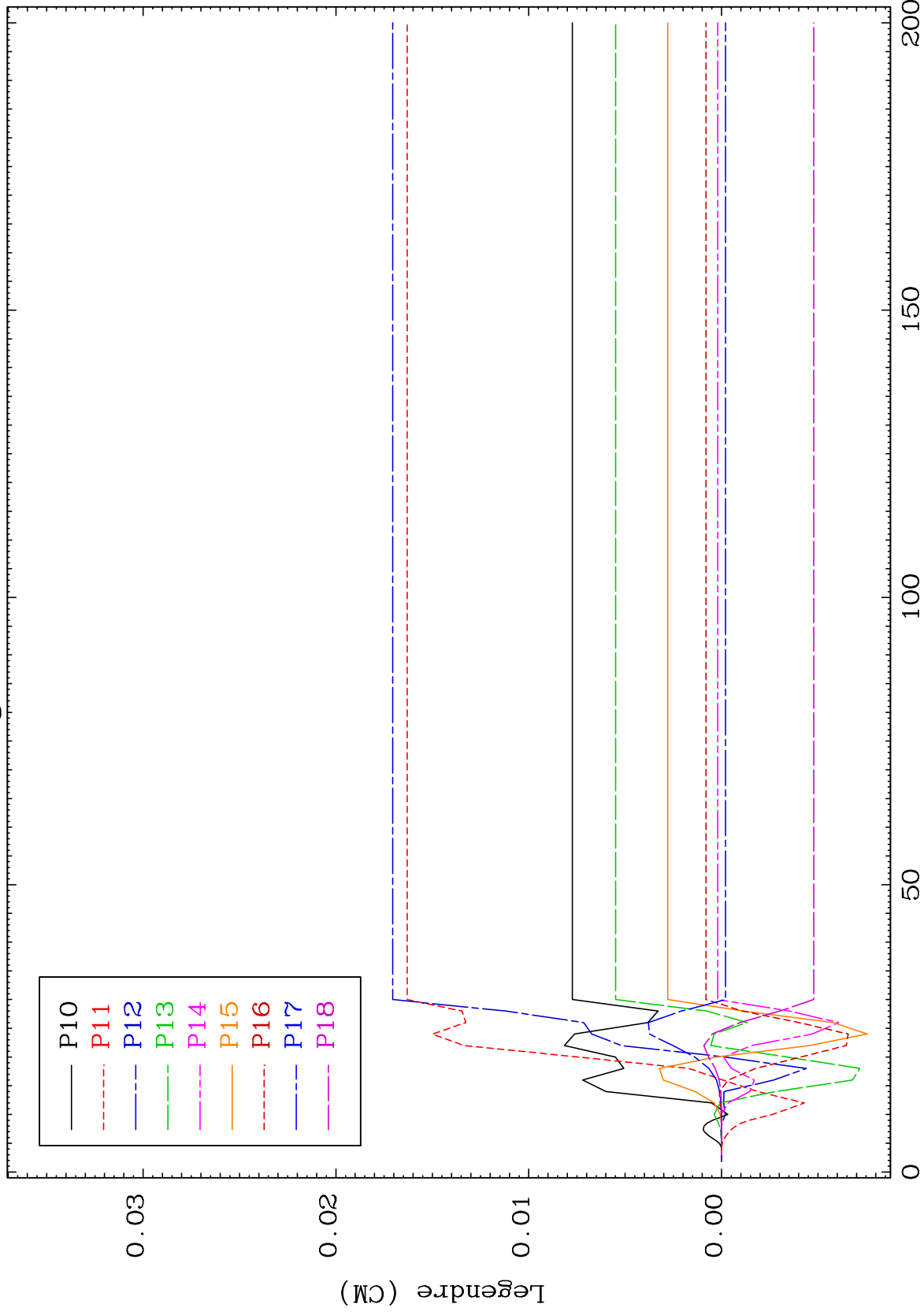
61-Pm-161



MAT 6191

MT= 64 (n,n') Level  
Legendre Coefficients

61-Pm-161



72

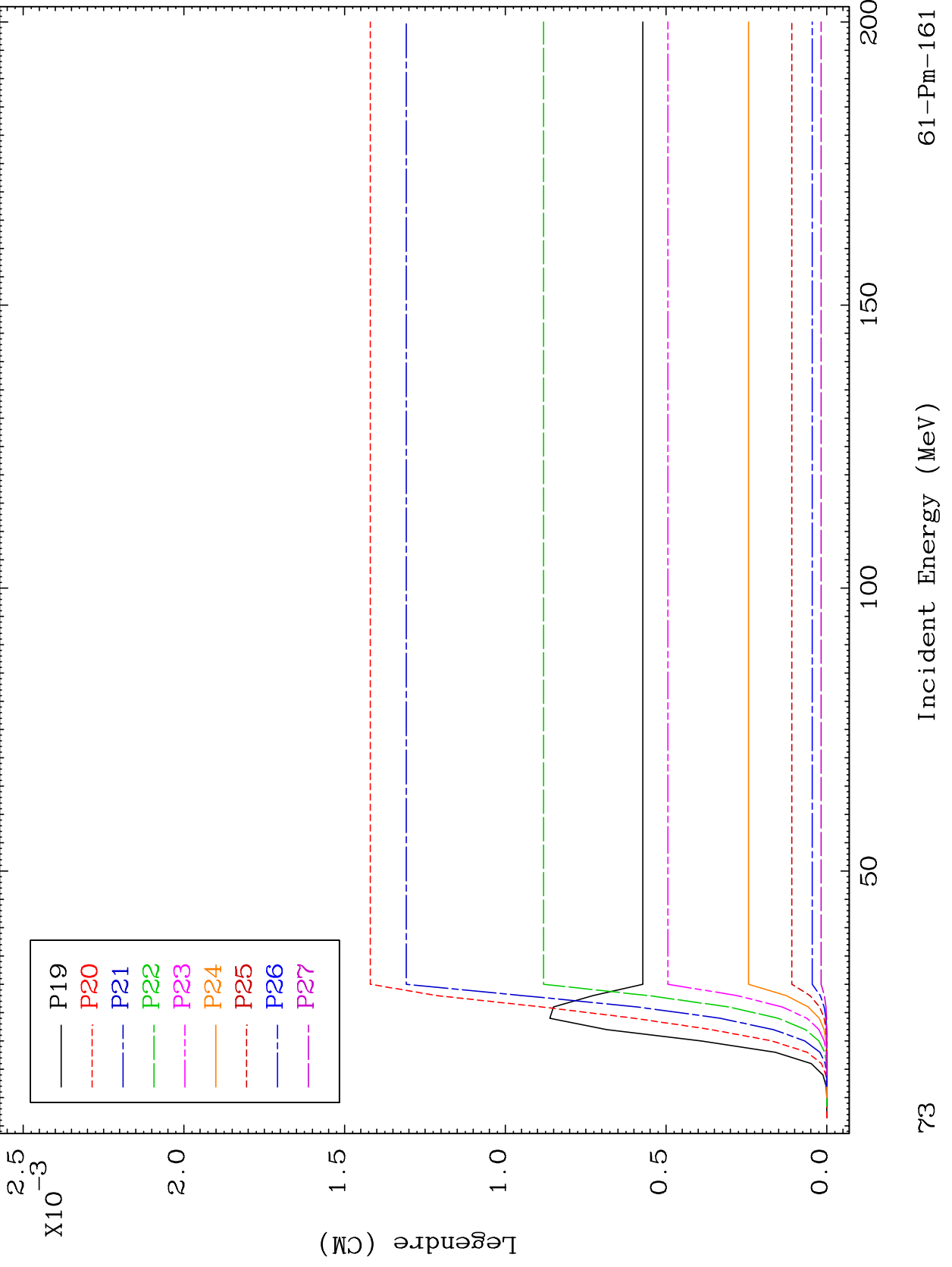
Incident Energy (MeV)

61-Pm-161

MAT 6191

MT= 64 (n,n') Level  
Legendre Coefficients

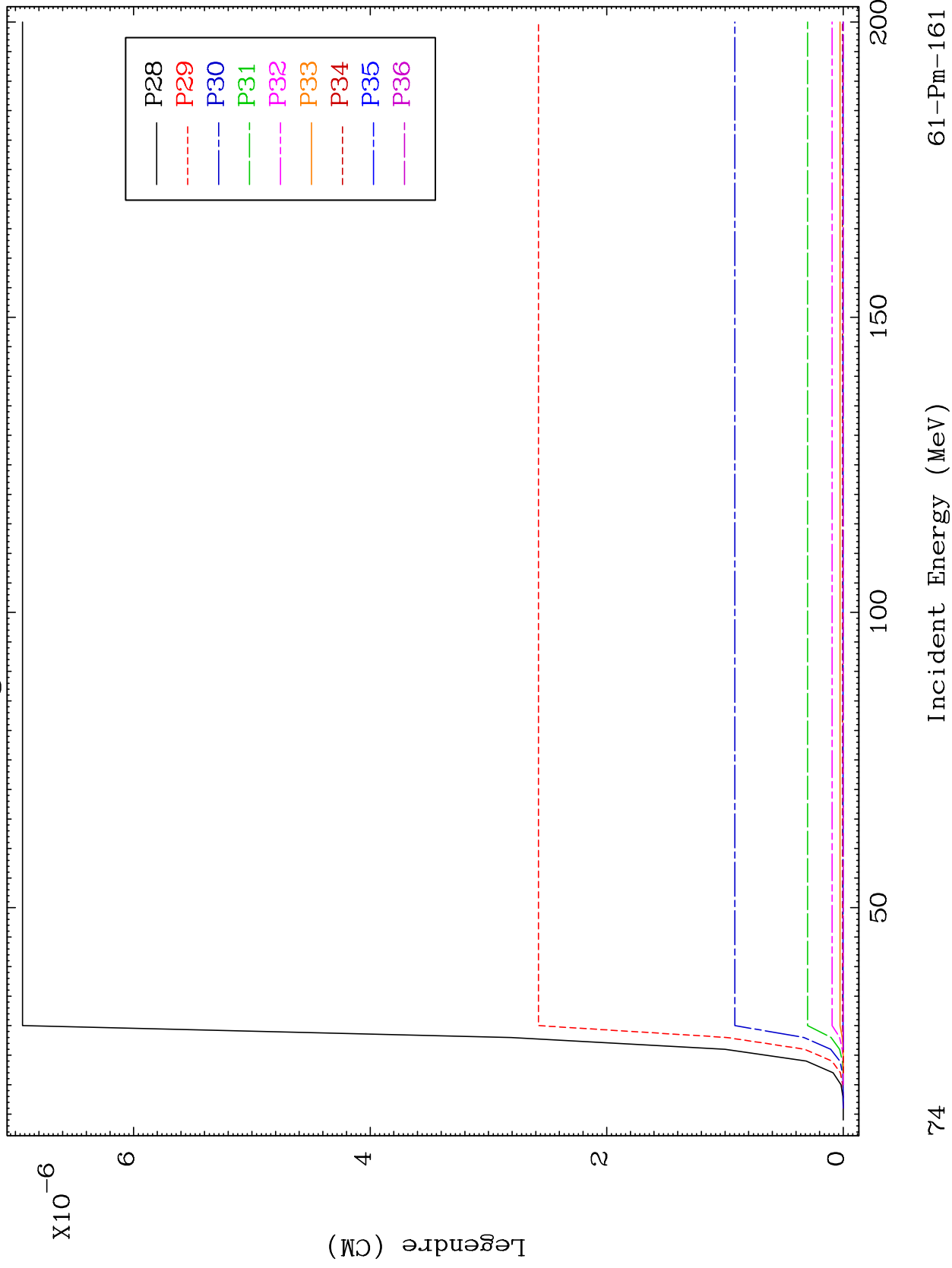
61-Pm-161



MAT 6191

MT= 64 (n,n') Level  
Legendre Coefficients

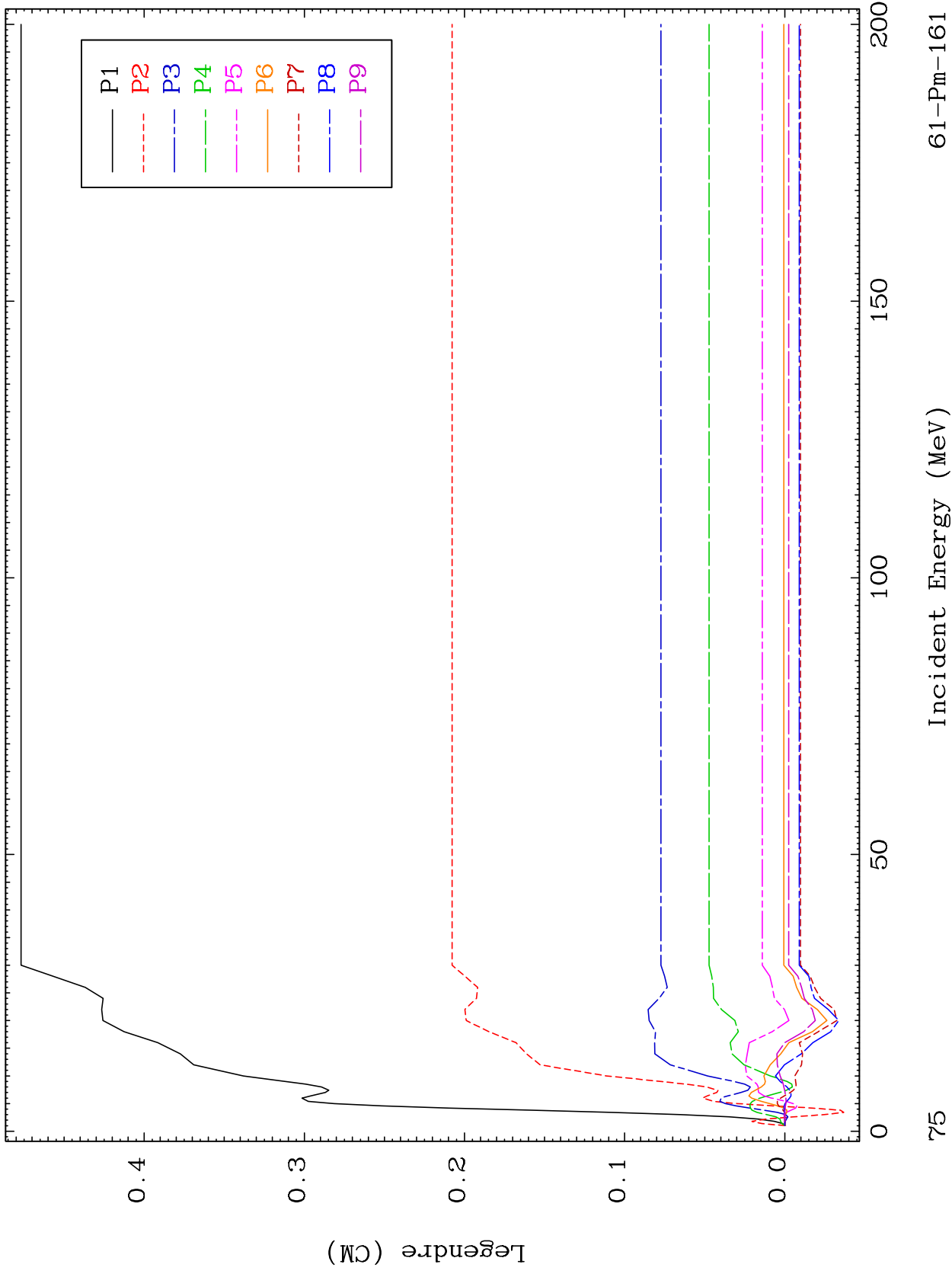
61-Pm-161



MAT 6191

MT= 65 (n,n') Level  
Legendre Coefficients

61-Pm-161

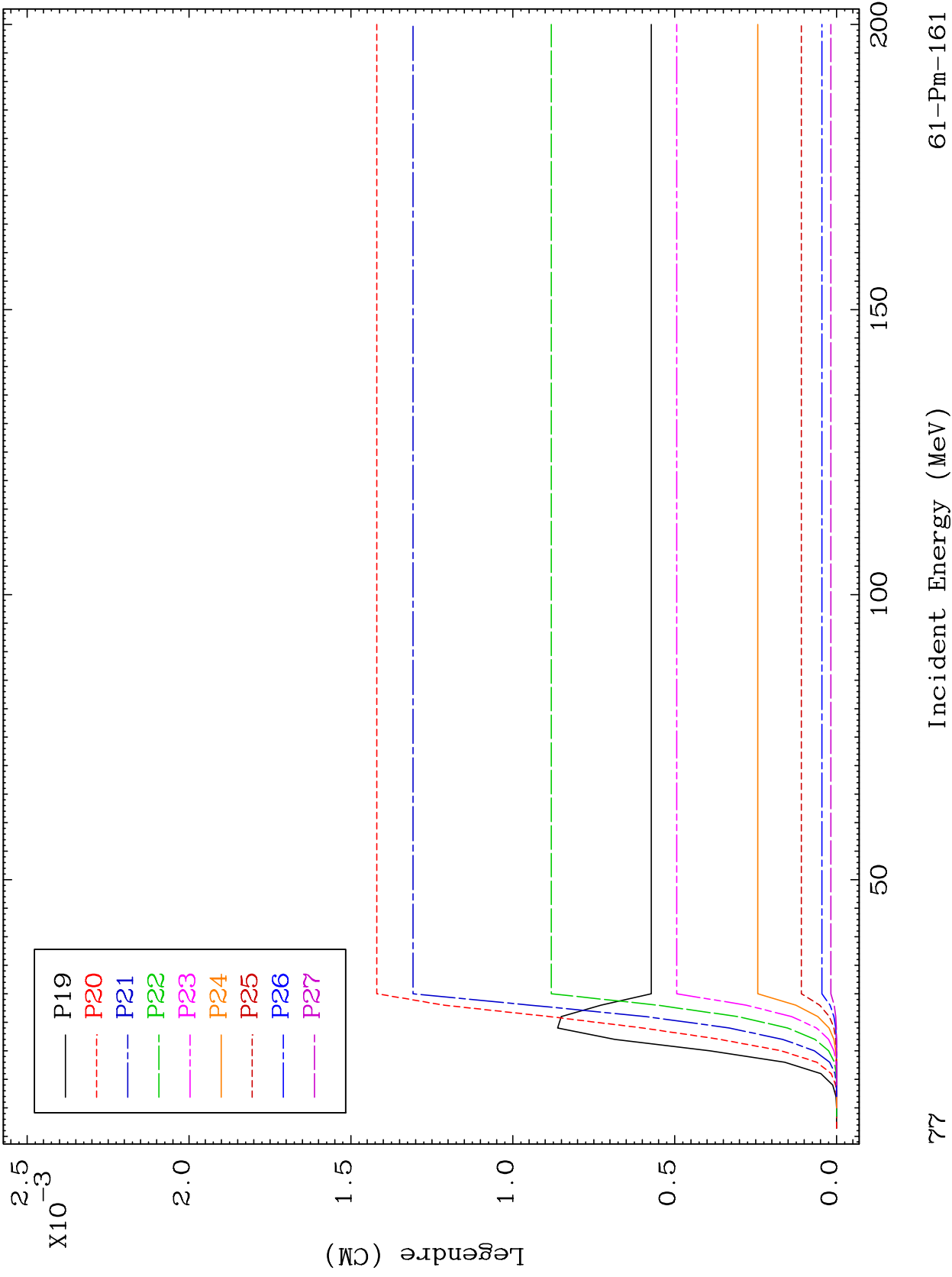


61-Pm-161

Incident Energy (MeV)

75

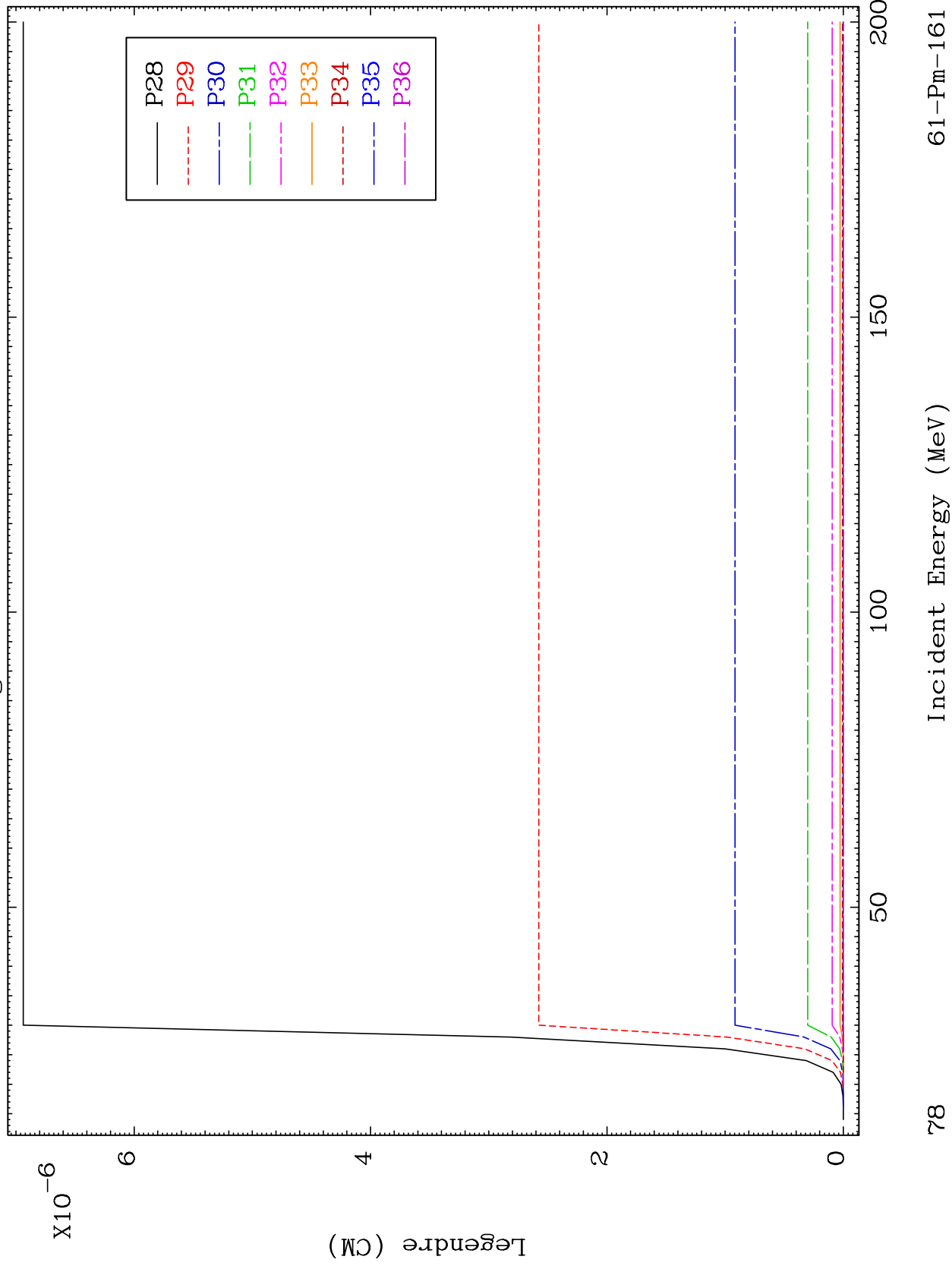


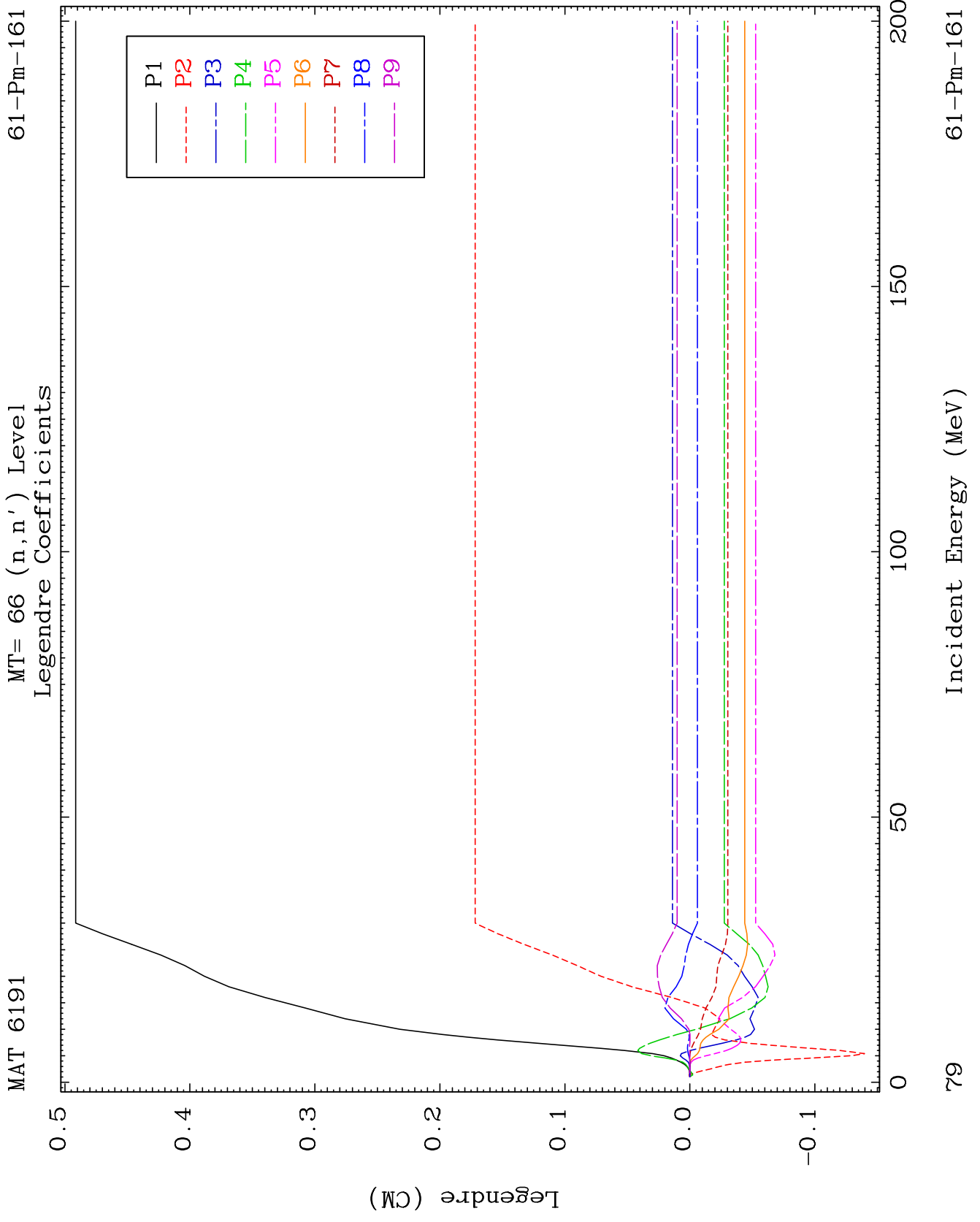


MAT 6191

MT= 65 (n,n') Level  
Legendre Coefficients

61-Pm-161





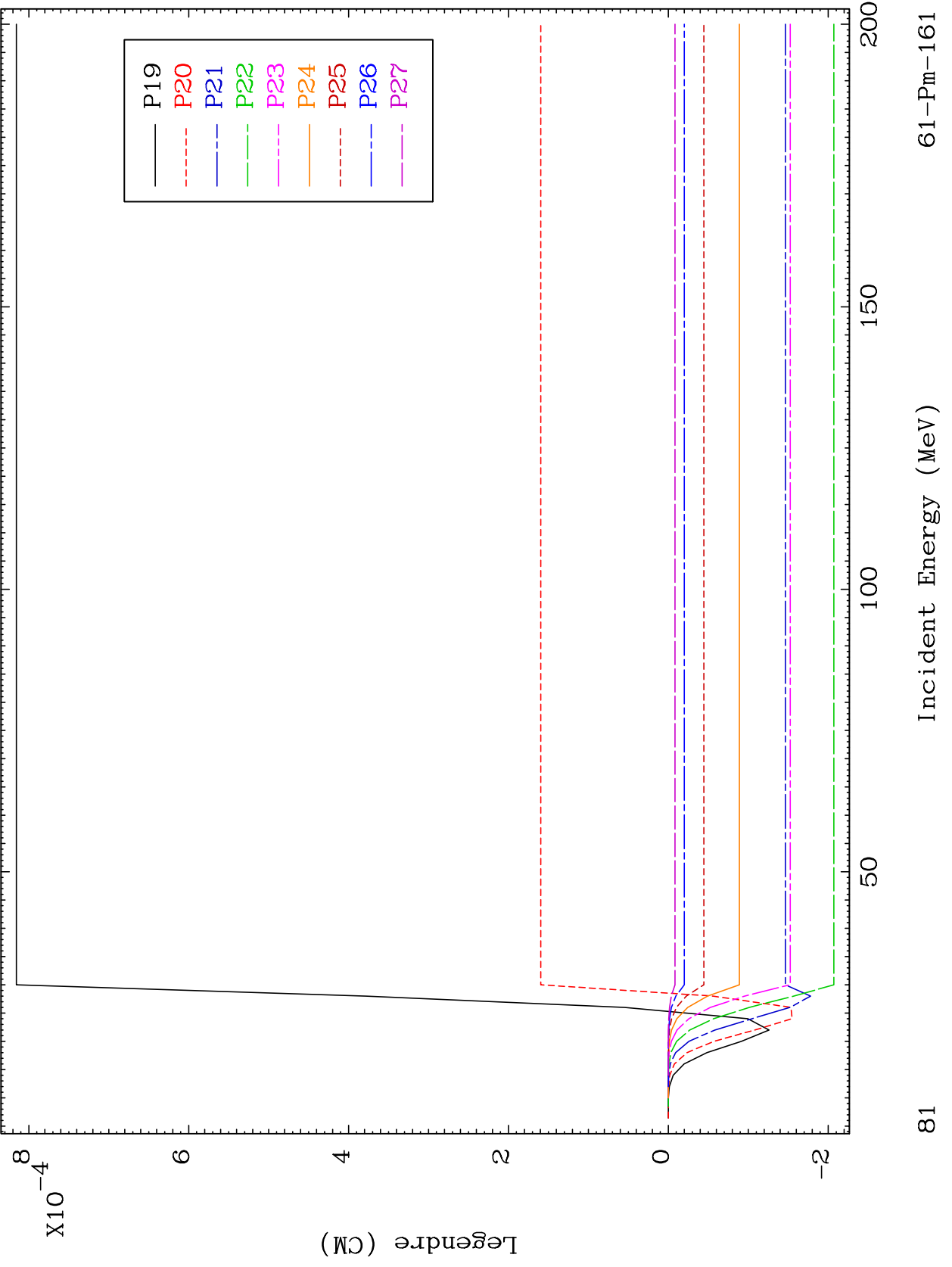




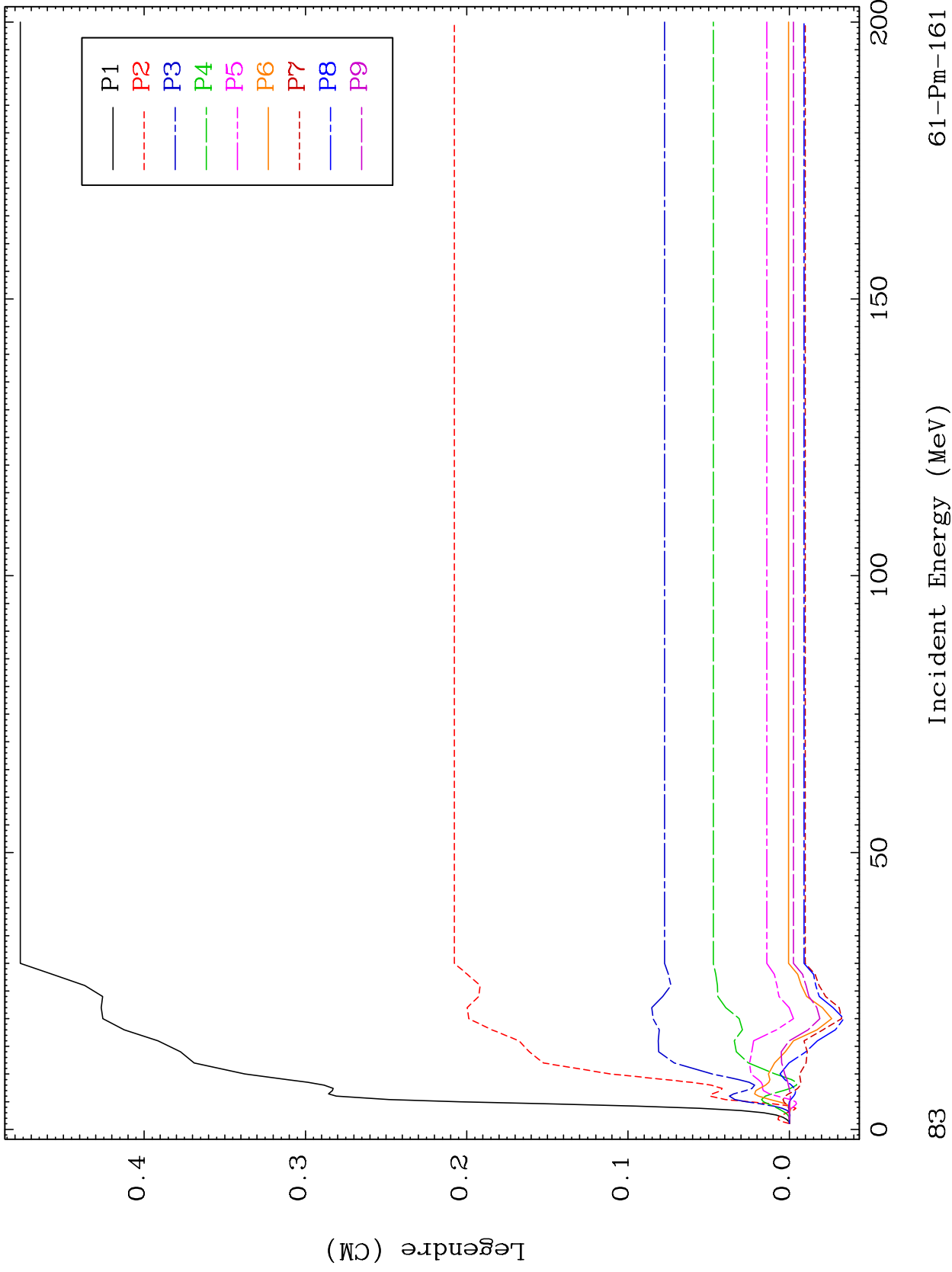
MAT 6191

MT= 66 (n,n') Level  
Legendre Coefficients

61-Pm-161



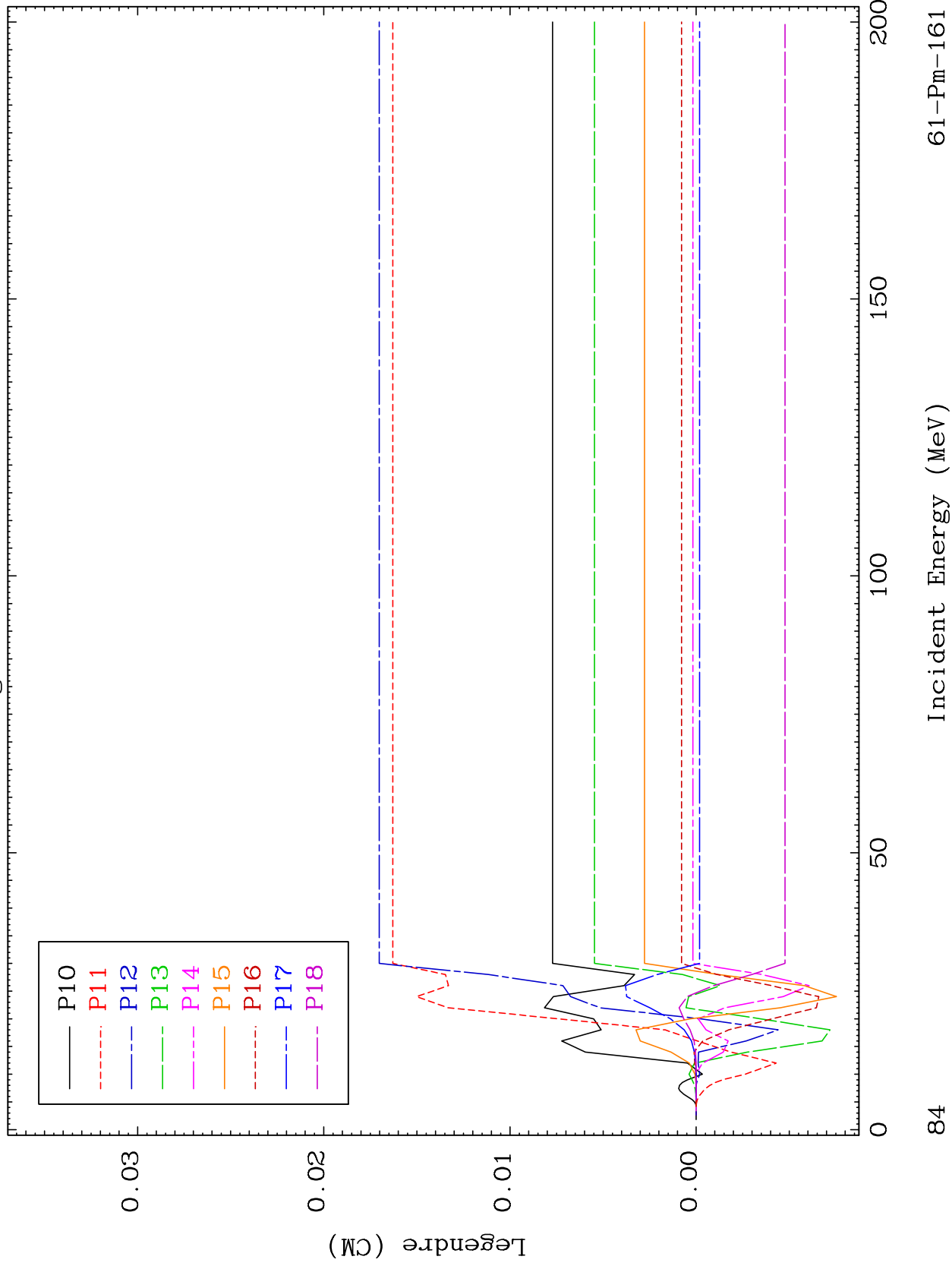




MAT 6191

MT= 67 (n,n') Level  
Legendre Coefficients

61-Pm-161



84

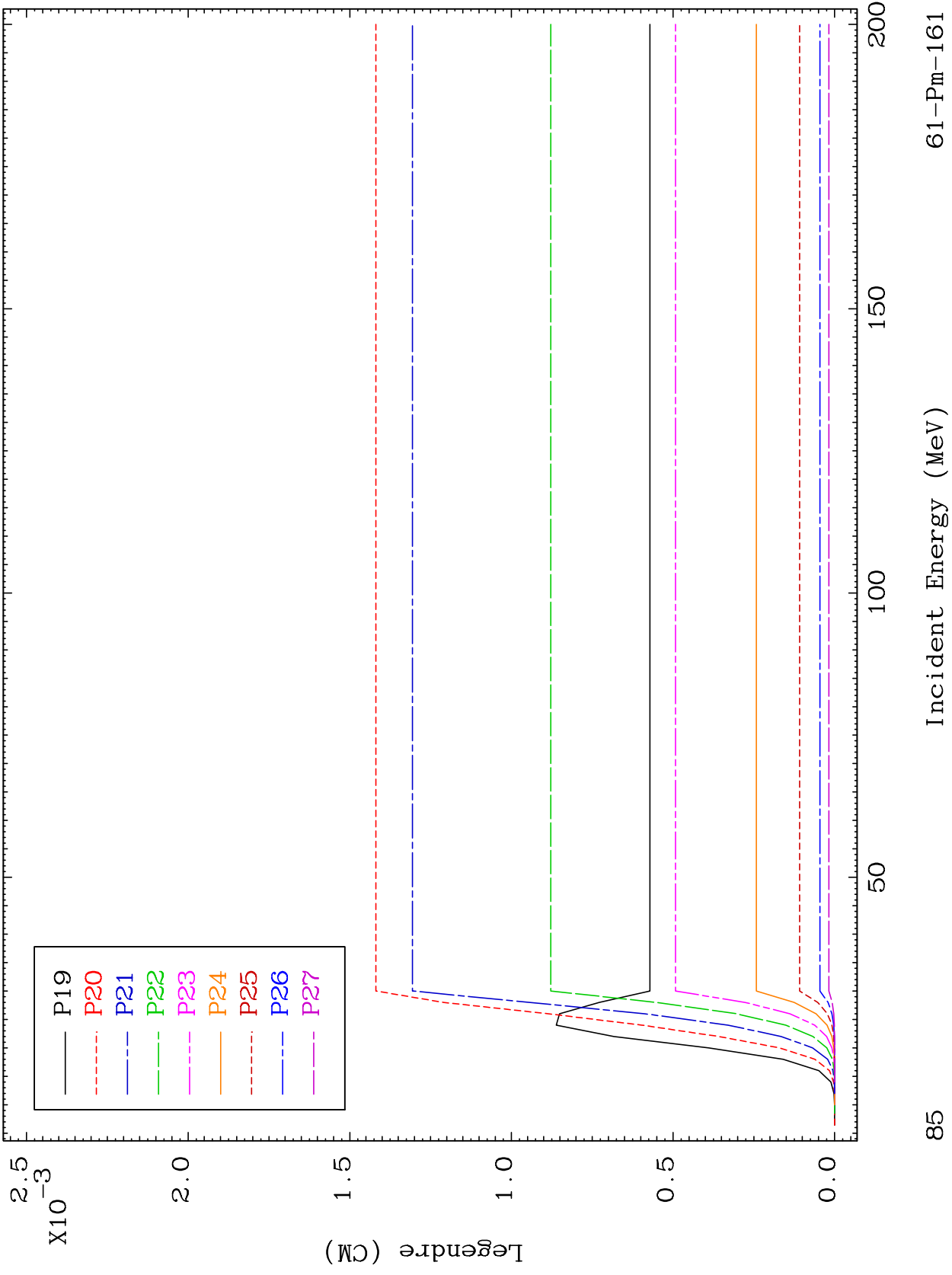
Incident Energy (MeV)

61-Pm-161

MAT 6191

MT= 67 (n,n') Level  
Legendre Coefficients

61-Pm-161



85

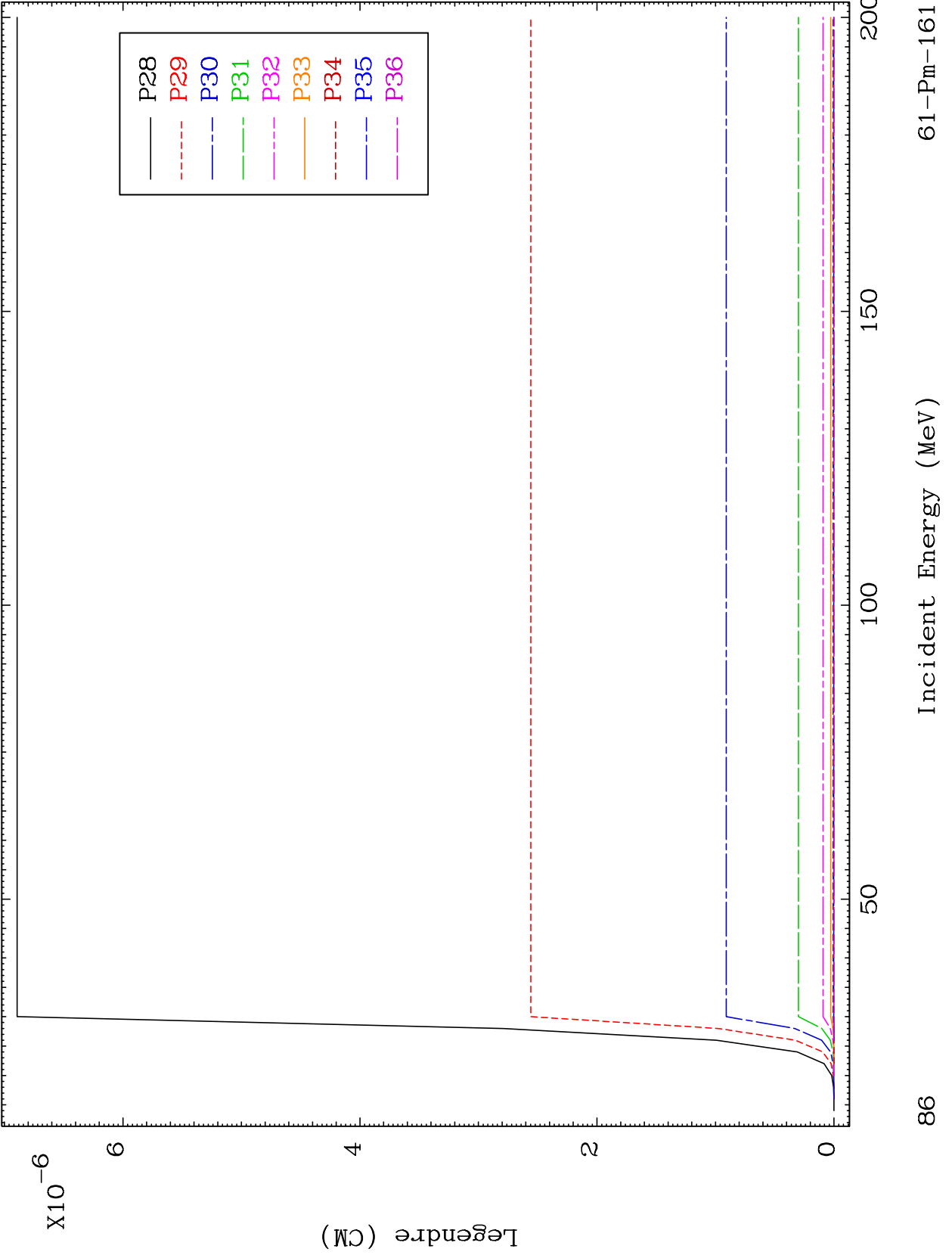
Incident Energy (MeV)

61-Pm-161

MAT 6191

MT= 67 (n,n') Level  
Legendre Coefficients

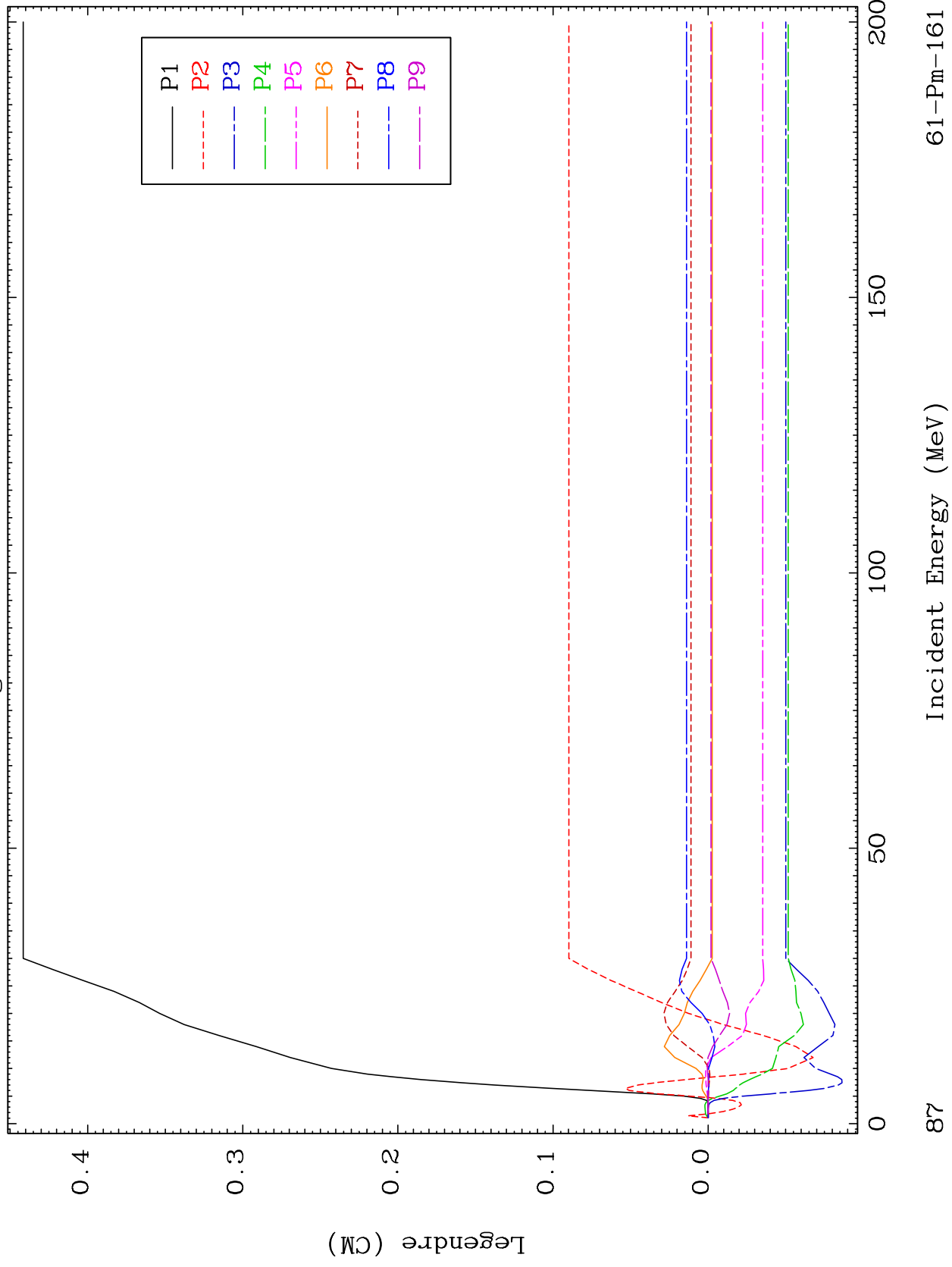
61-Pm-161



MAT 6191

MT= 68 (n,n') Level  
Legendre Coefficients

61-Pm-161



61-Pm-161

Incident Energy (MeV)

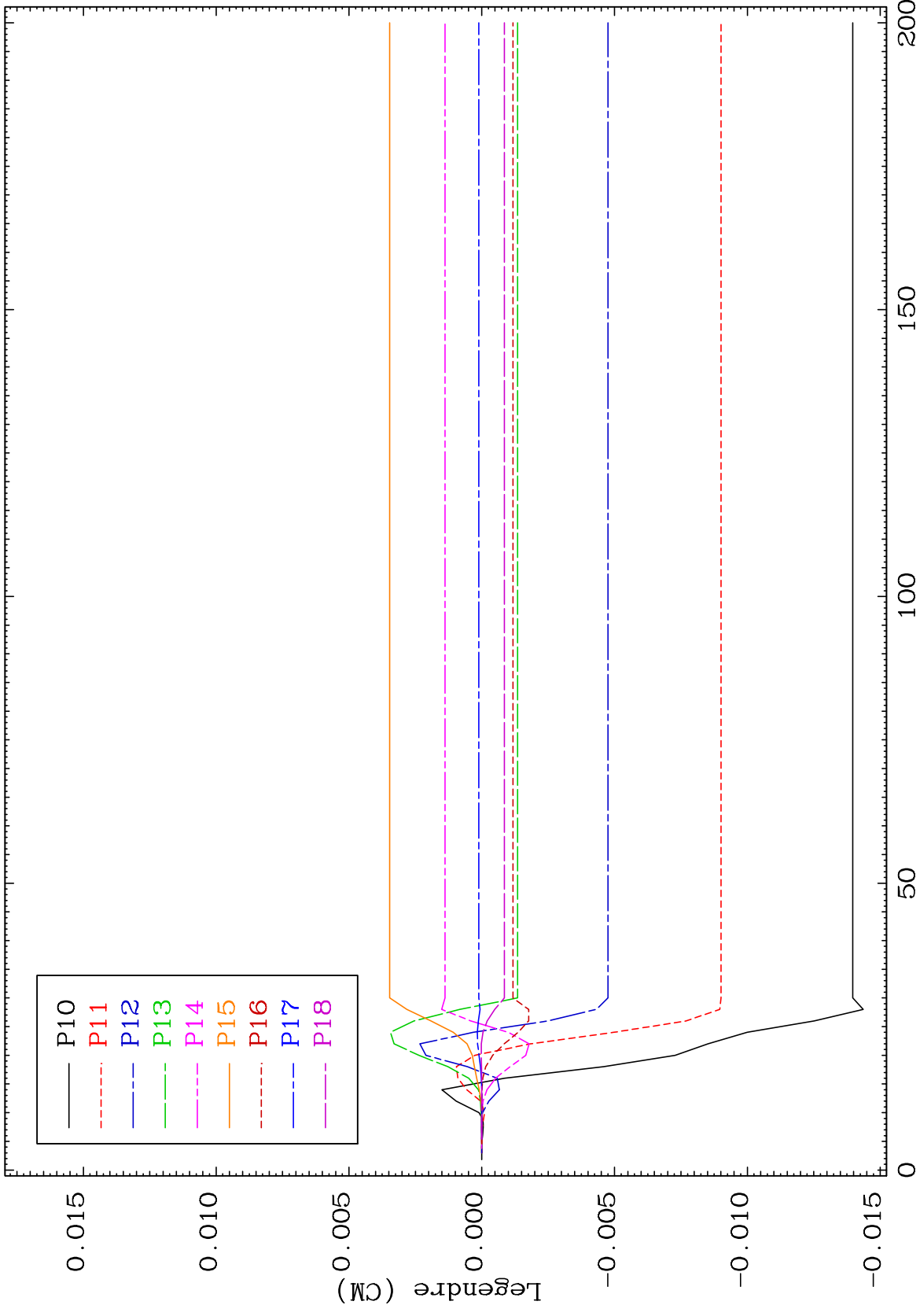
87



MAT 6191

MT= 68 (n,n') Level  
Legendre Coefficients

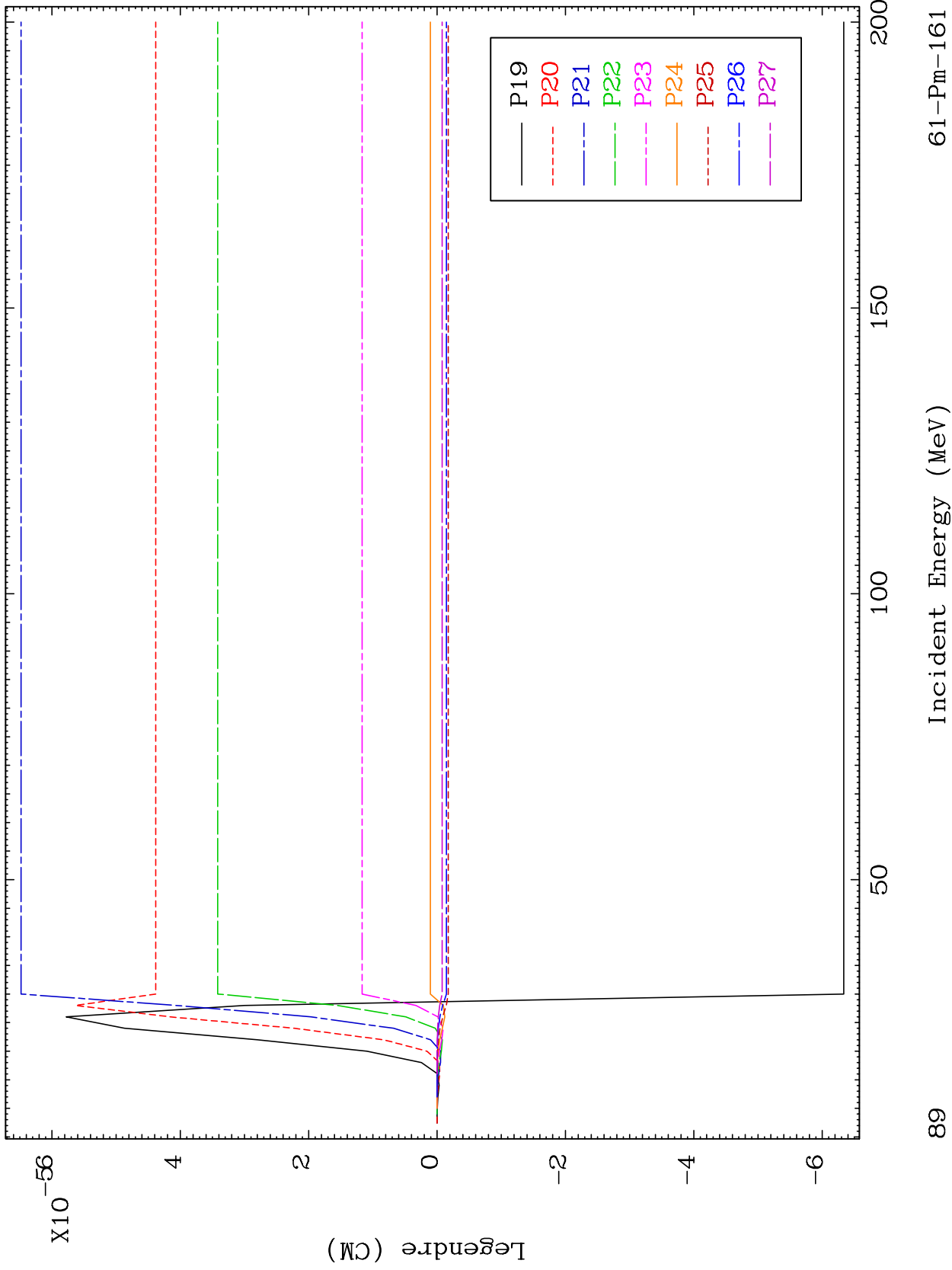
61-Pm-161

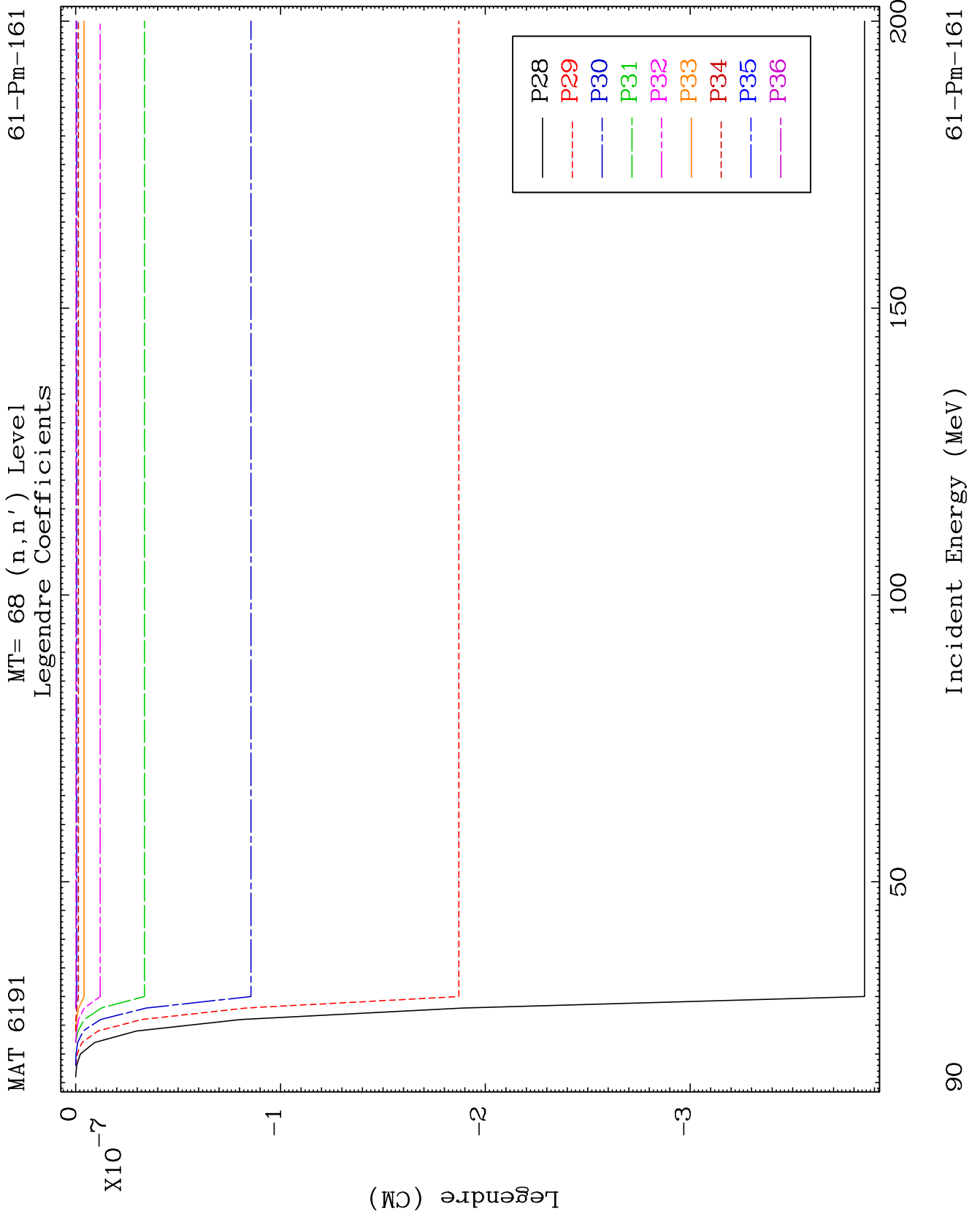


88

Incident Energy (MeV)

61-Pm-161

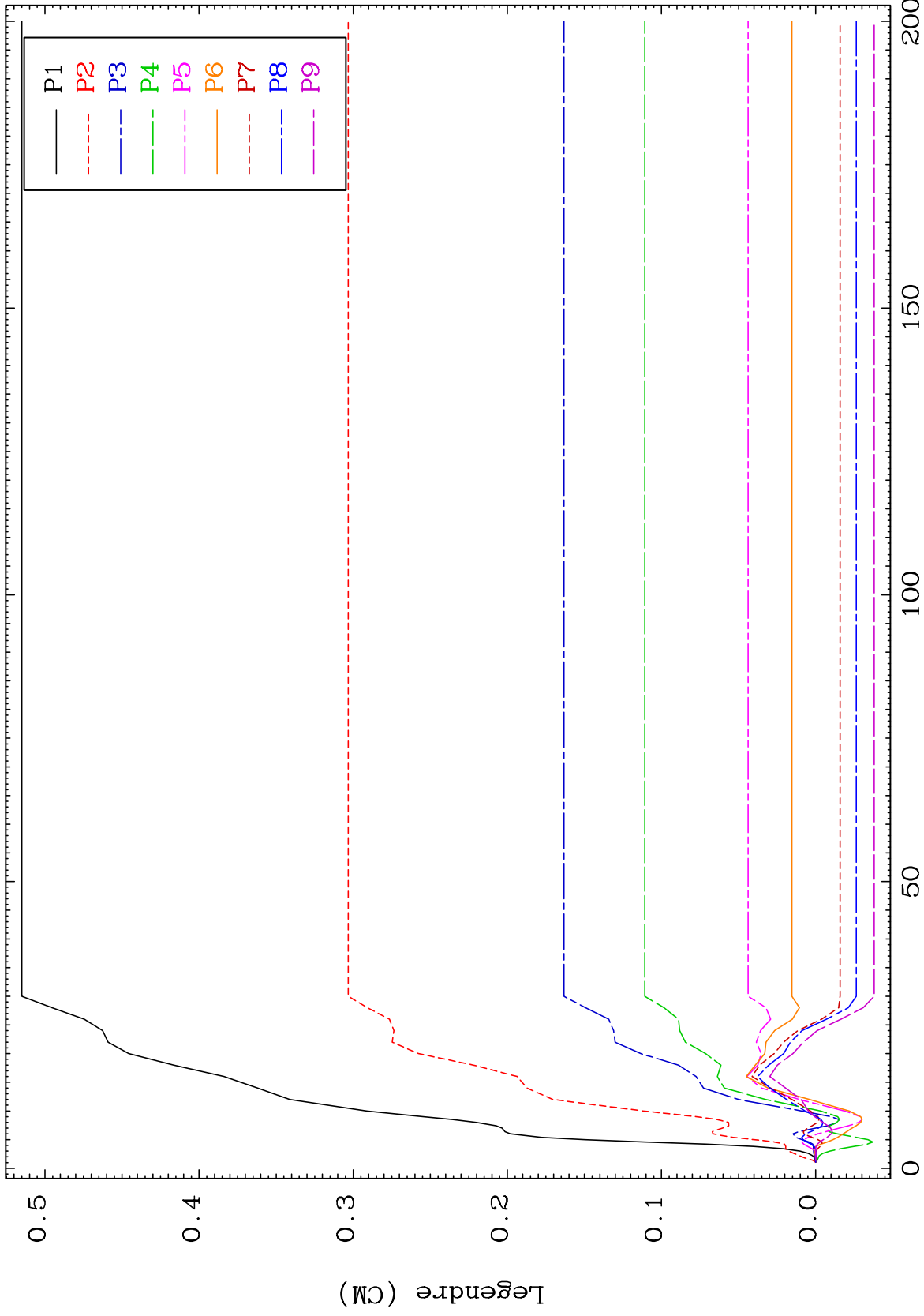




MAT 6191

MT= 69 (n,n') Level  
Legendre Coefficients

61-Pm-161



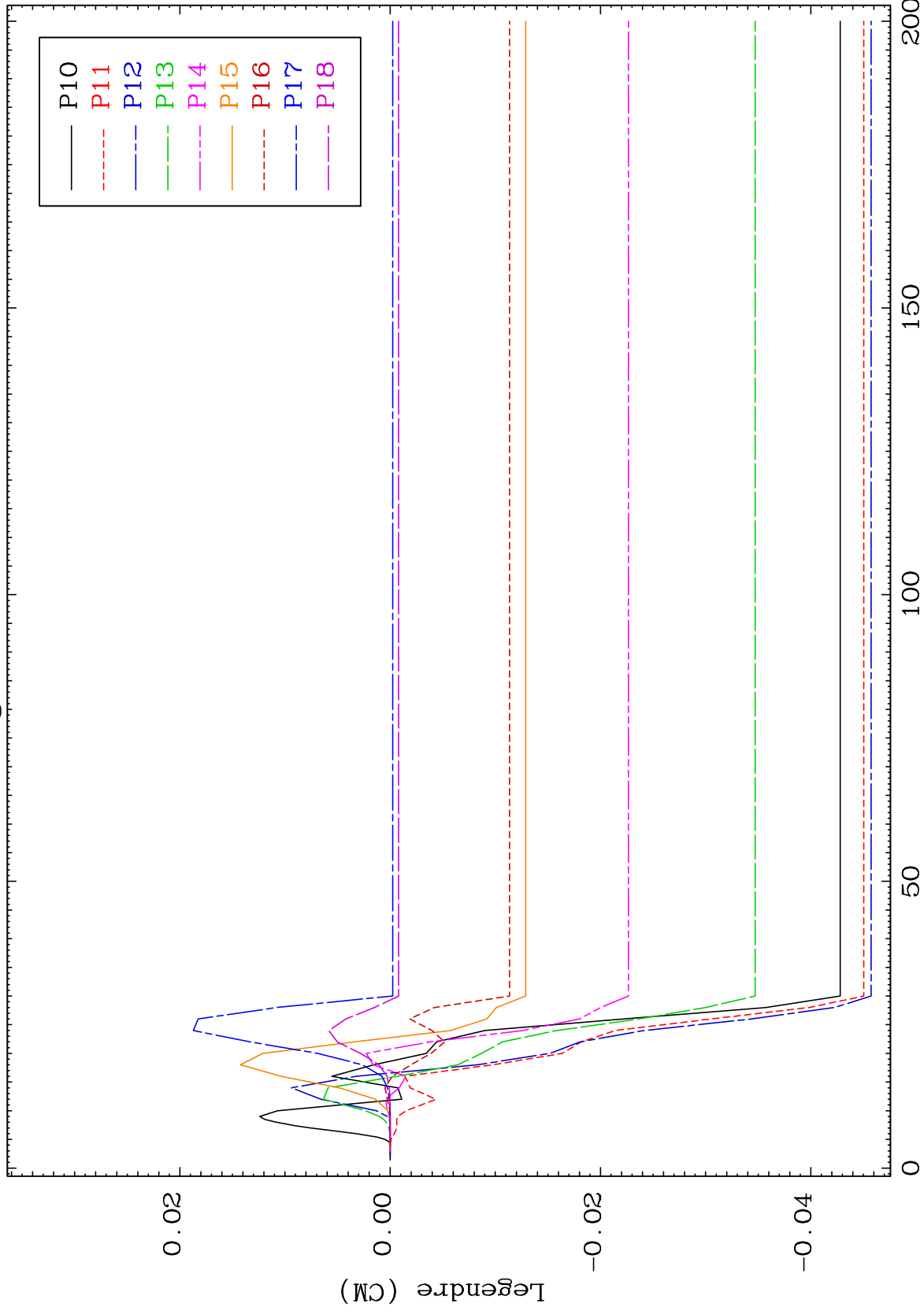
91

61-Pm-161

MAT 6191

MT= 69 (n,n') Level  
Legendre Coefficients

61-Pm-161



92

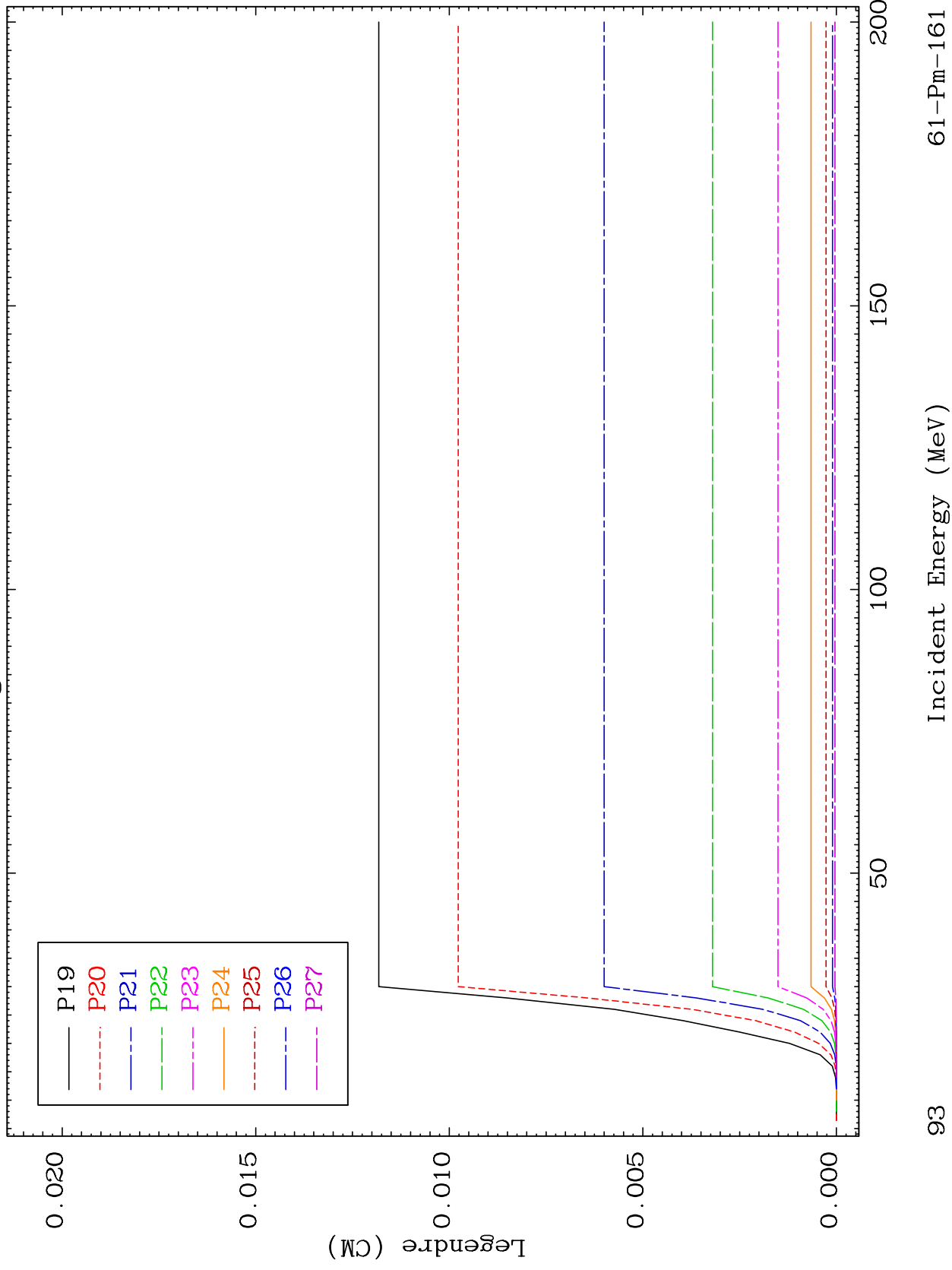
Incident Energy (MeV)

61-Pm-161

MAT 6191

MT= 69 (n,n') Level  
Legendre Coefficients

61-Pm-161



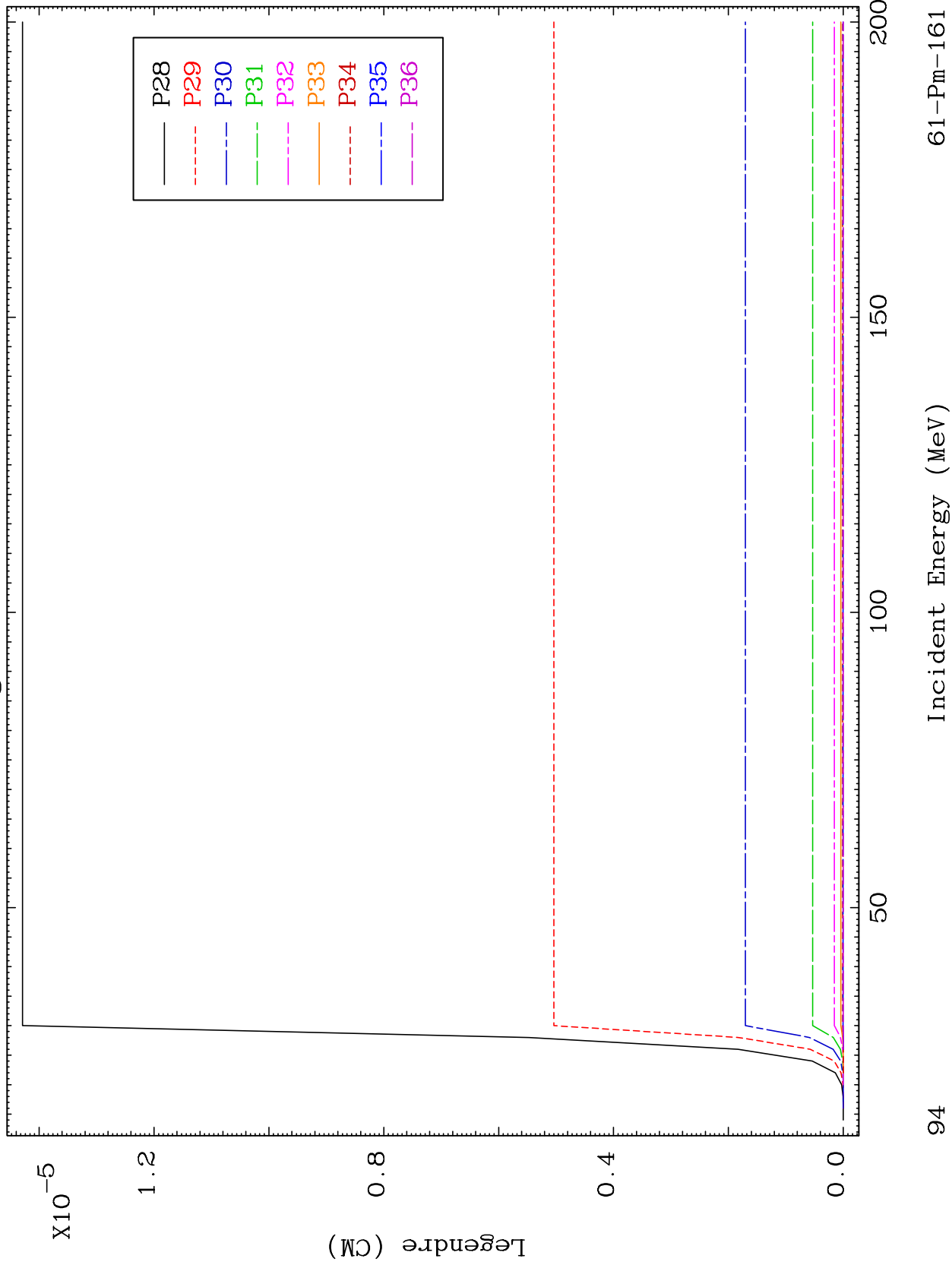
93

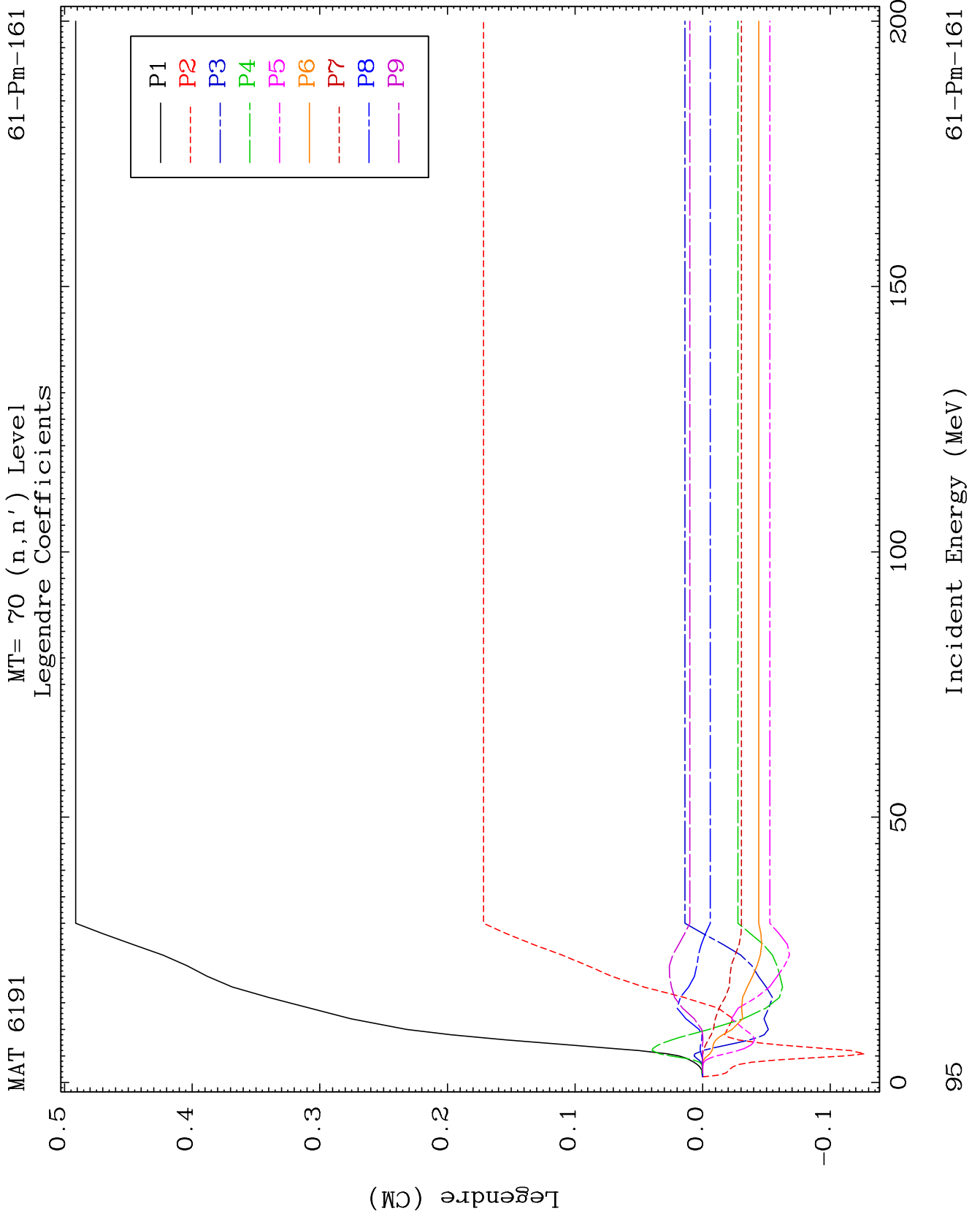
61-Pm-161

MAT 6191

MT= 69 (n,n') Level  
Legendre Coefficients

61-Pm-161



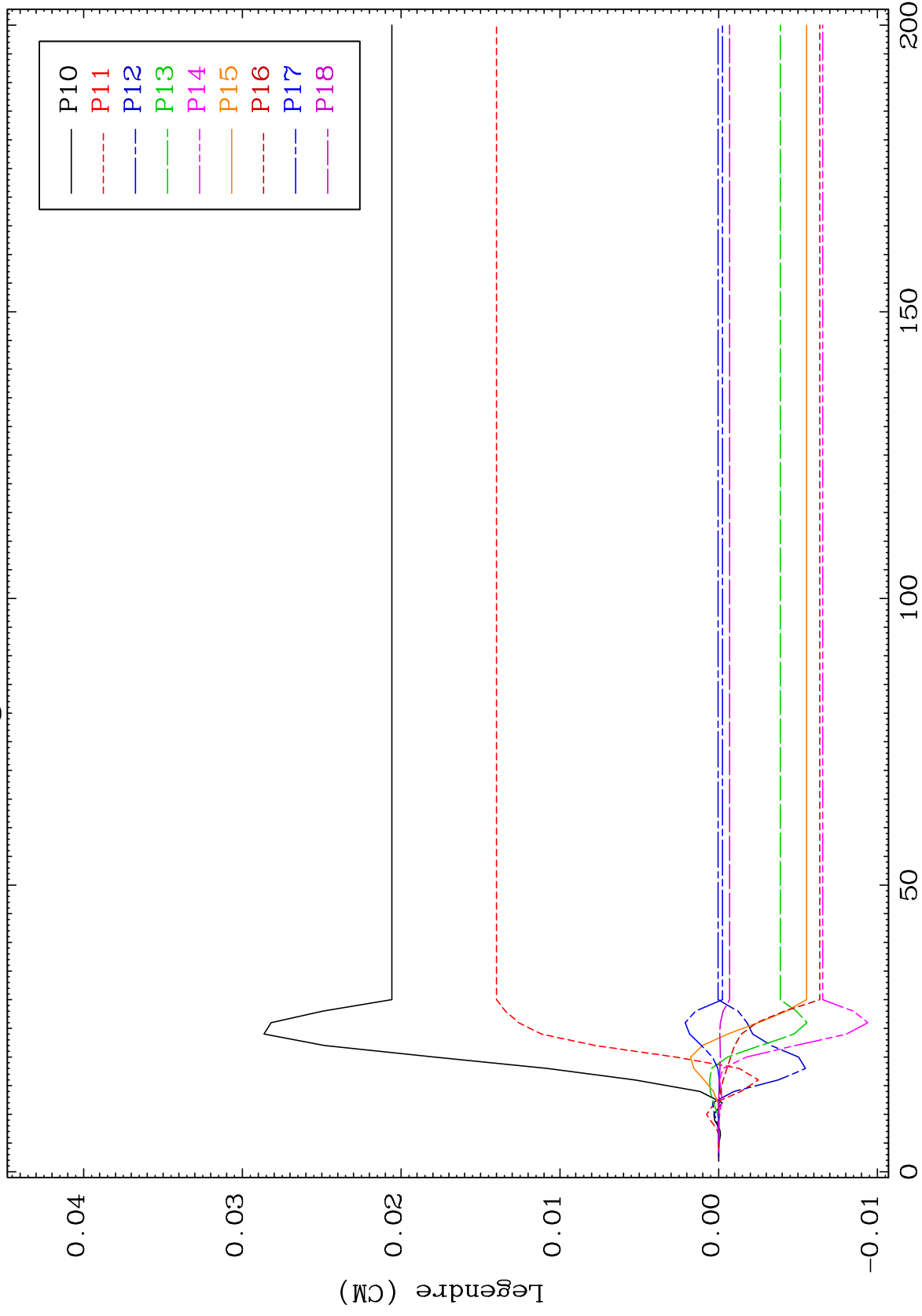




MAT 6191

MT= 70 (n,n') Level  
Legendre Coefficients

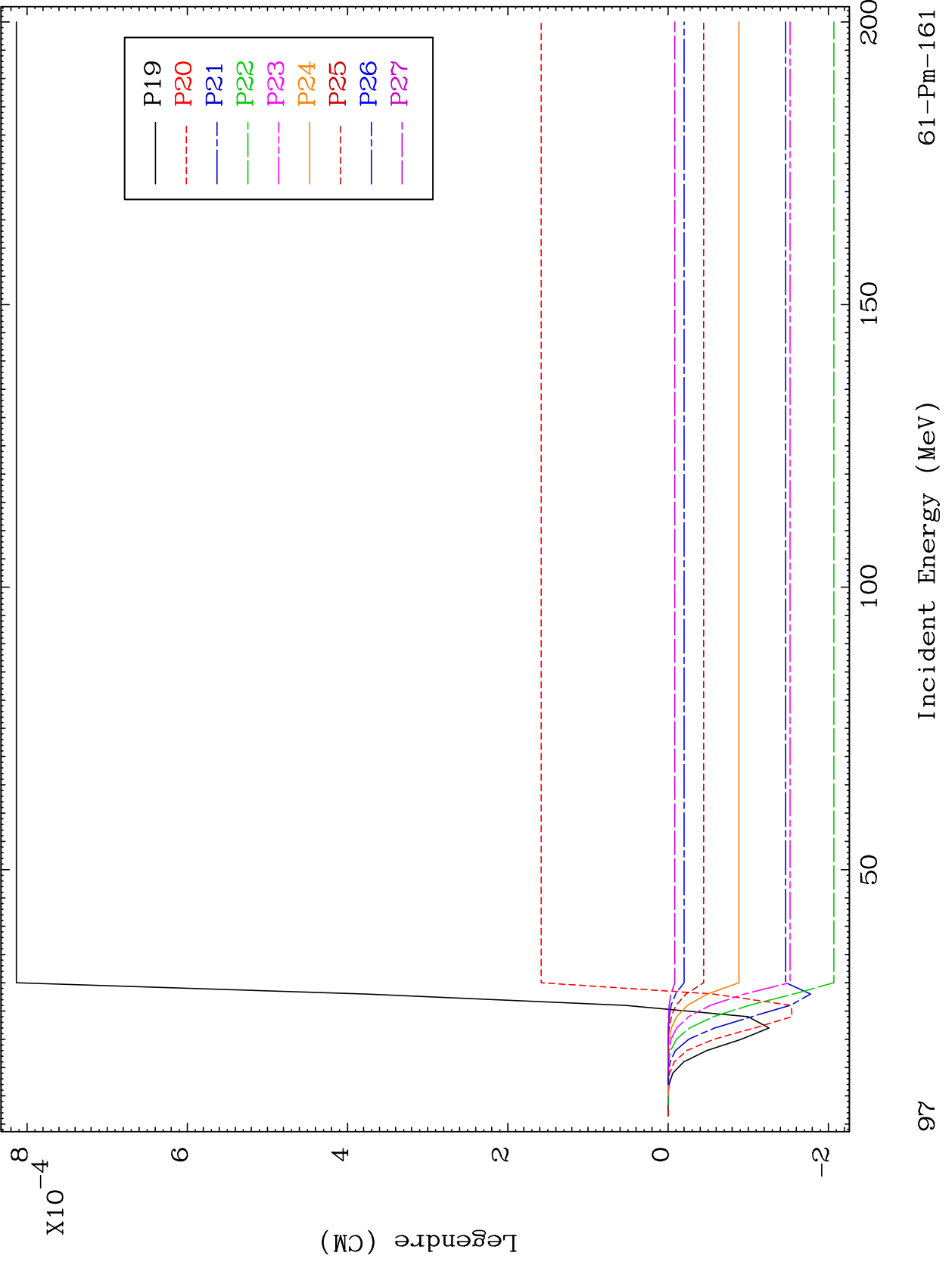
61-Pm-161

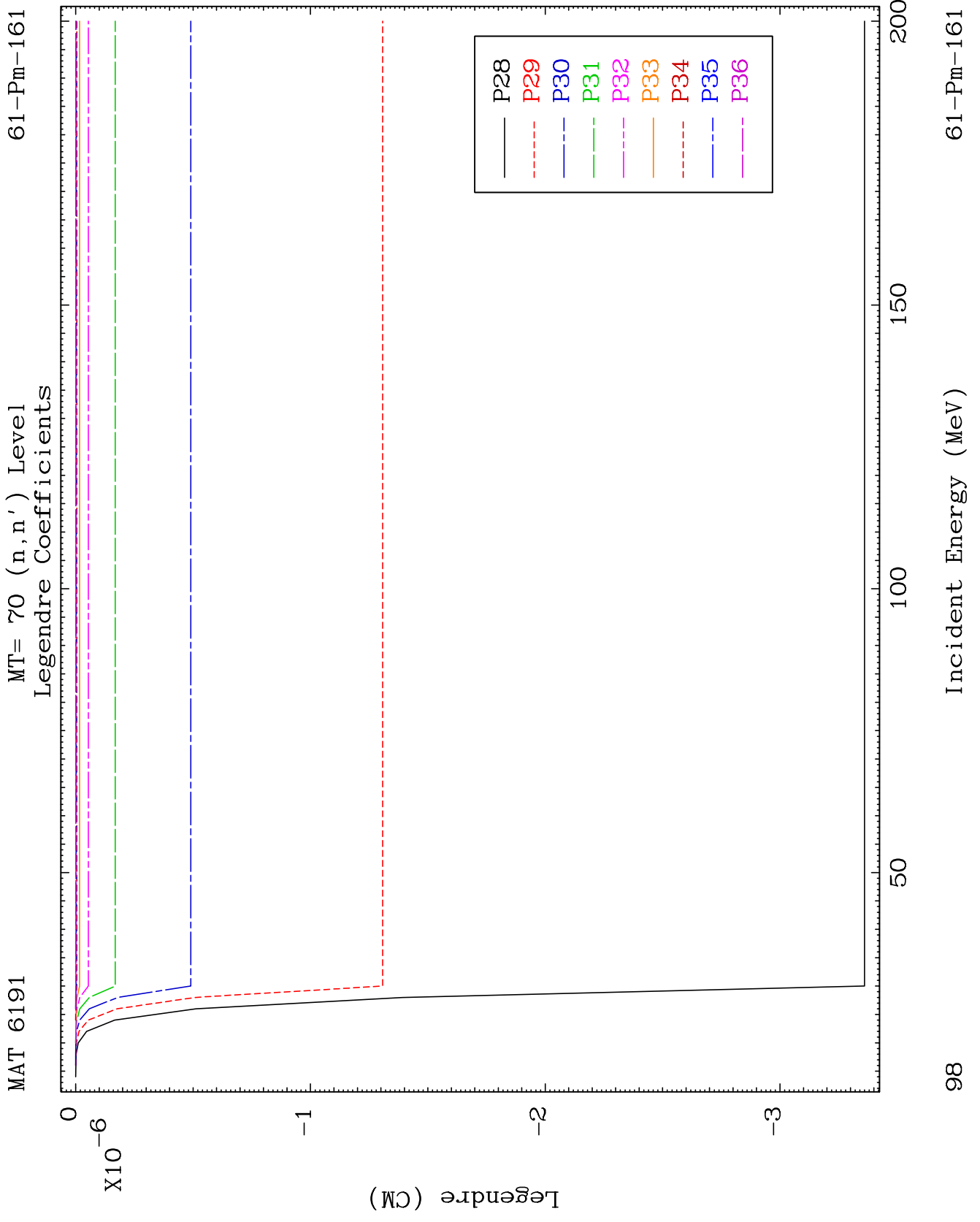


96

Incident Energy (MeV)

61-Pm-161

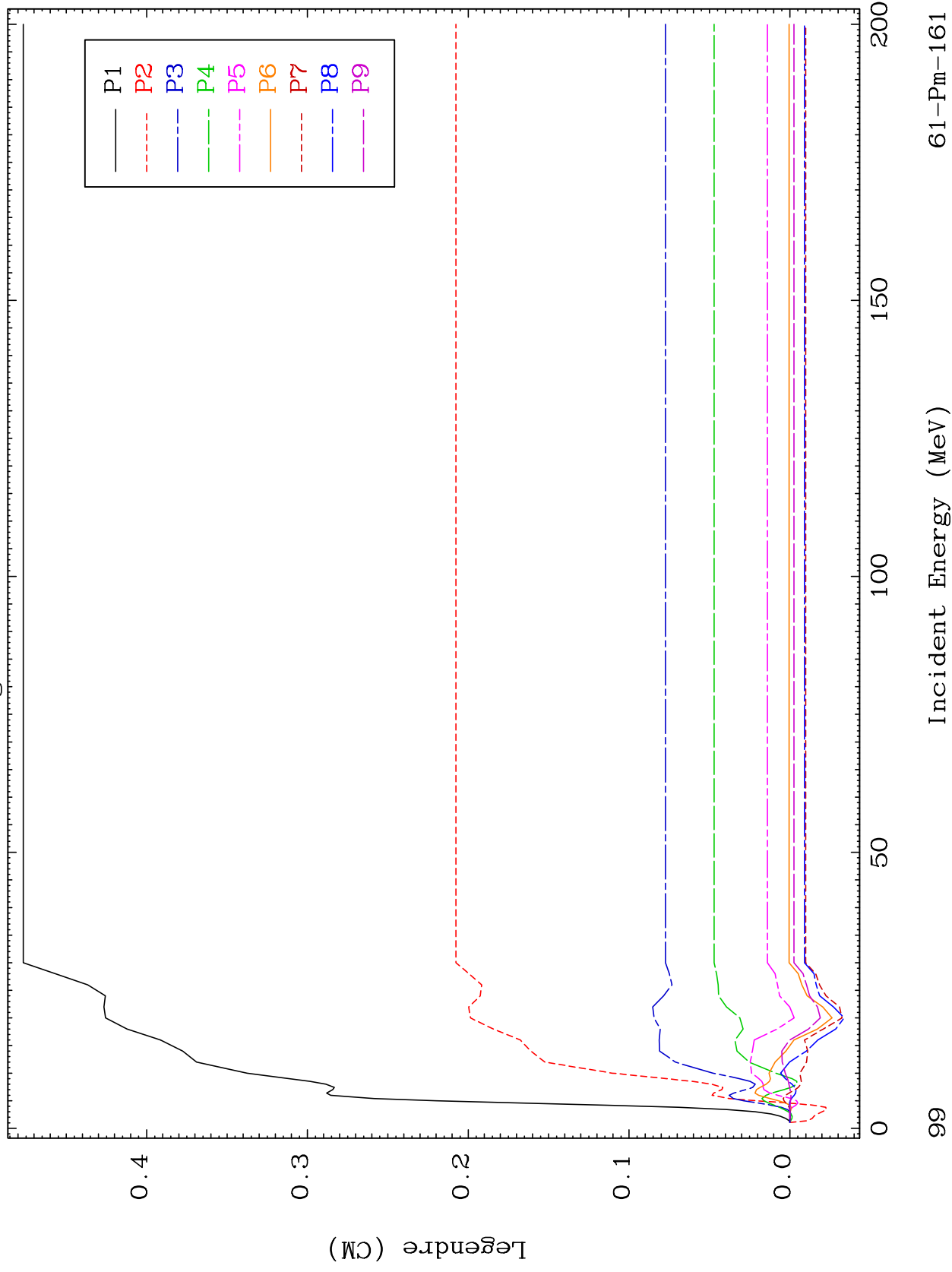




MAT 6191

MT= 71 (n,n') Level  
Legendre Coefficients

61-Pm-161



61-Pm-161

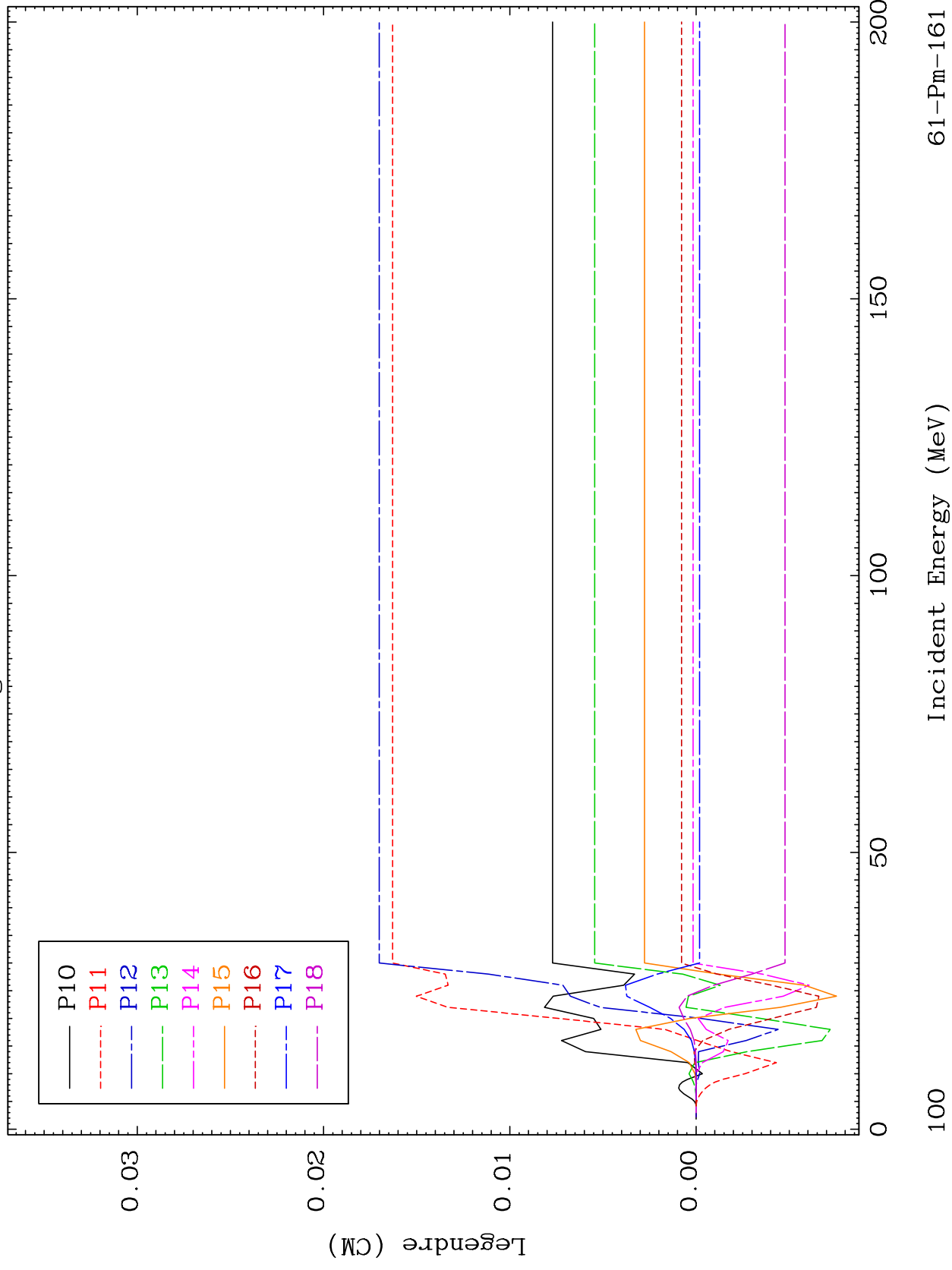
Incident Energy (MeV)

99

MAT 6191

MT= 71 (n,n') Level  
Legendre Coefficients

61-Pm-161

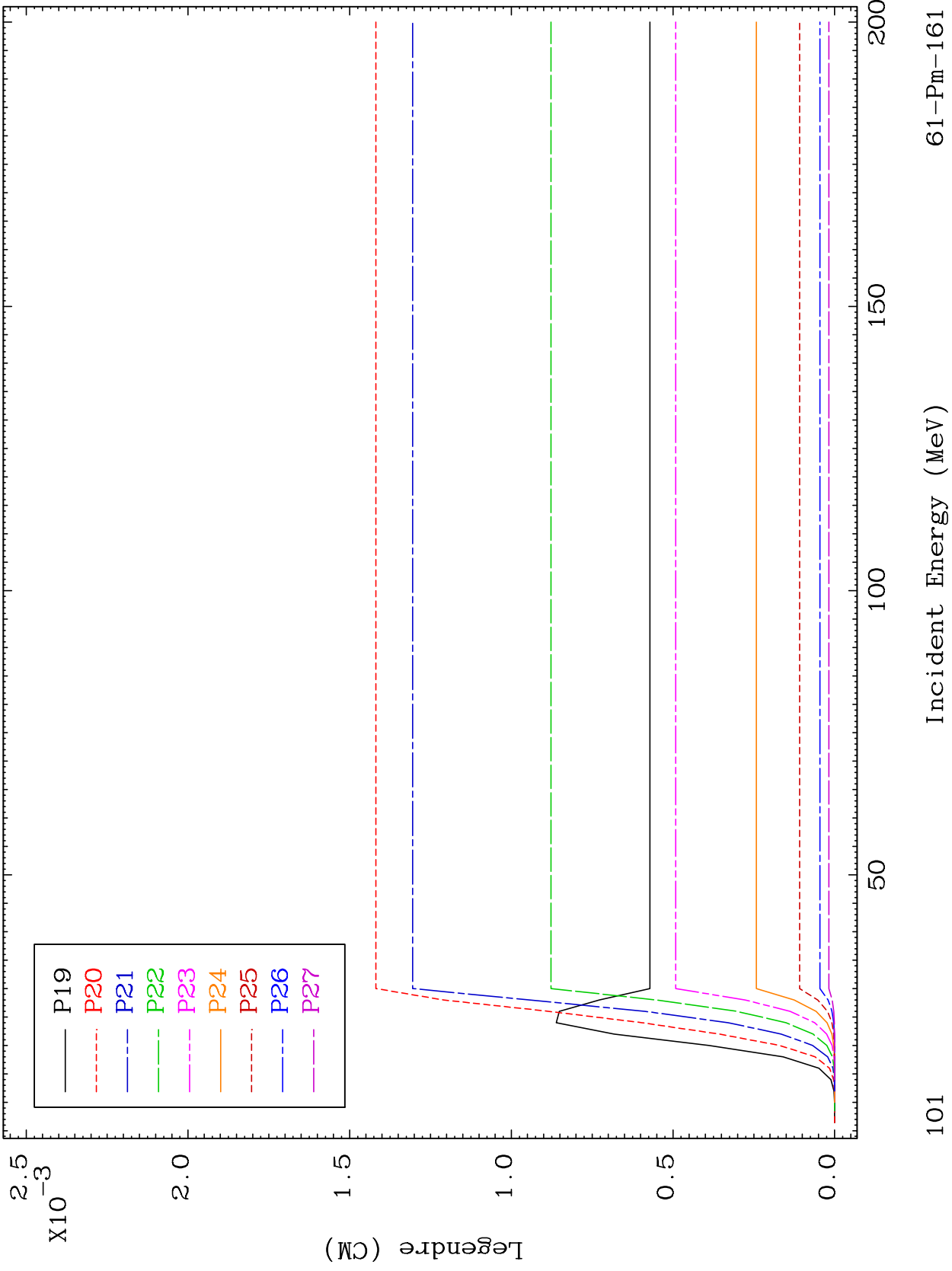


61-Pm-161

MAT 6191

MT= 71 (n,n') Level  
Legendre Coefficients

61-Pm-161



101

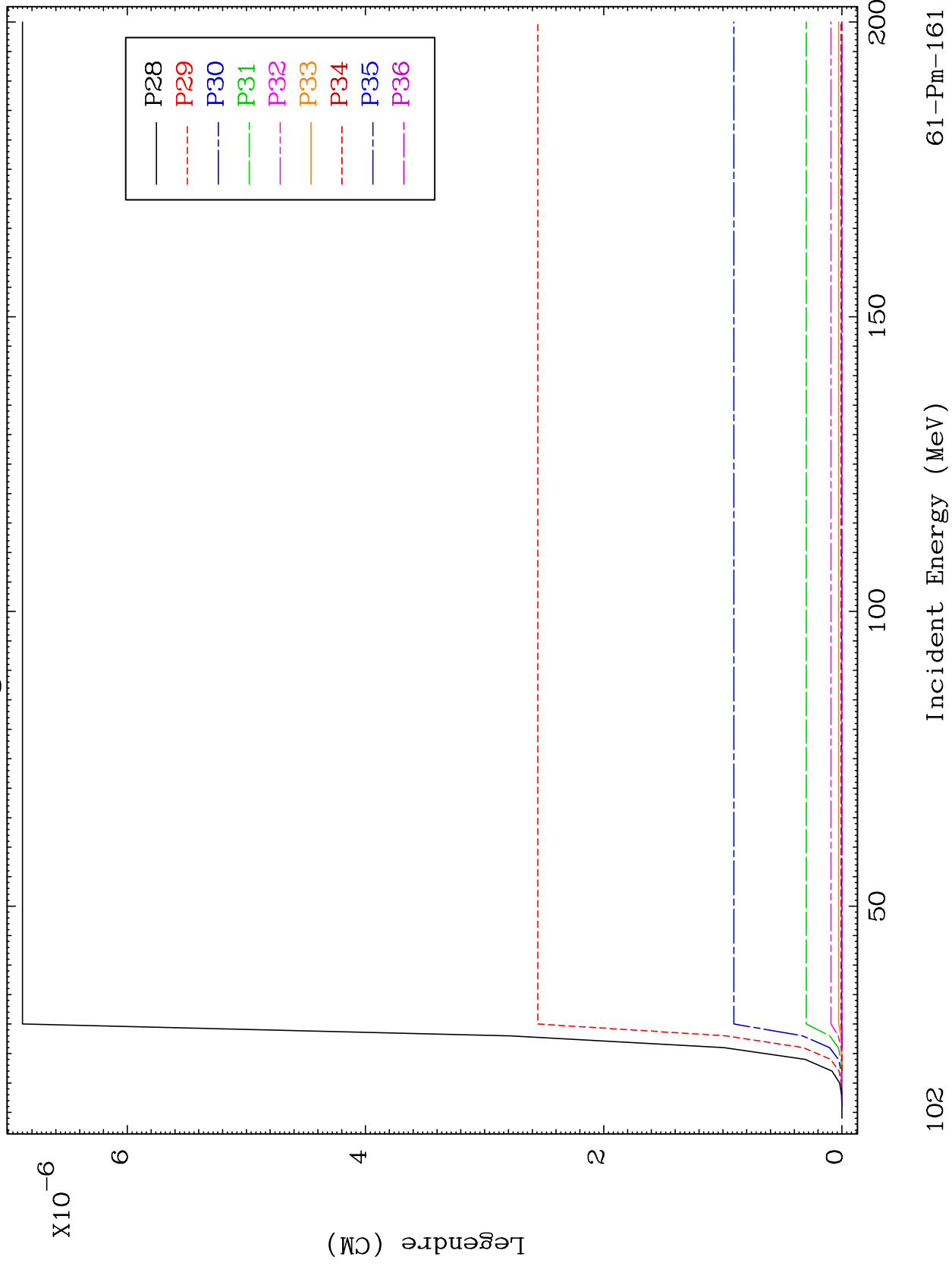
Incident Energy (MeV)

61-Pm-161

MAT 6191

MT= 71 (n,n') Level  
Legendre Coefficients

61-Pm-161



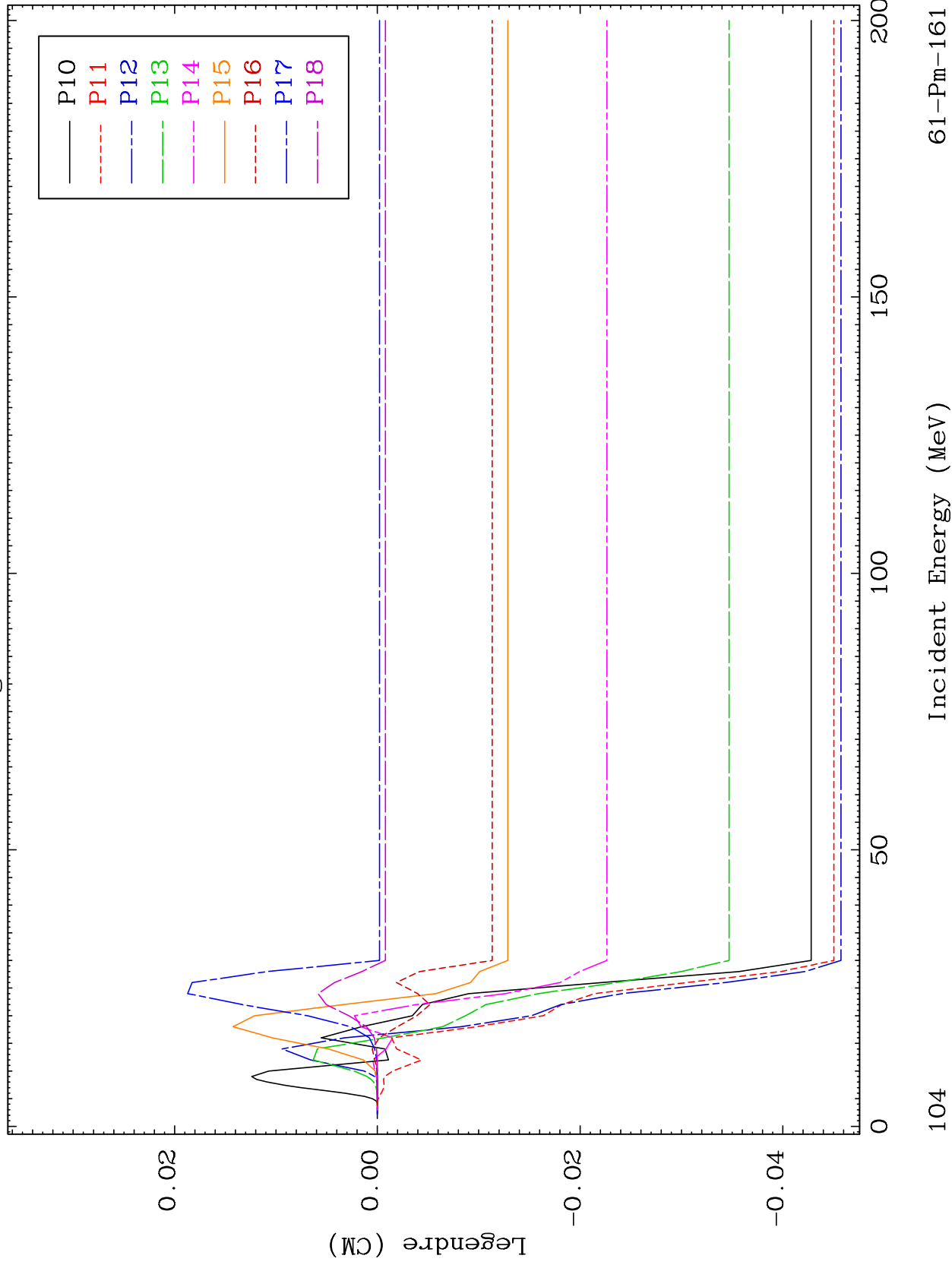




MAT 6191

MT= 72 (n,n') Level  
Legendre Coefficients

61-Pm-161



104

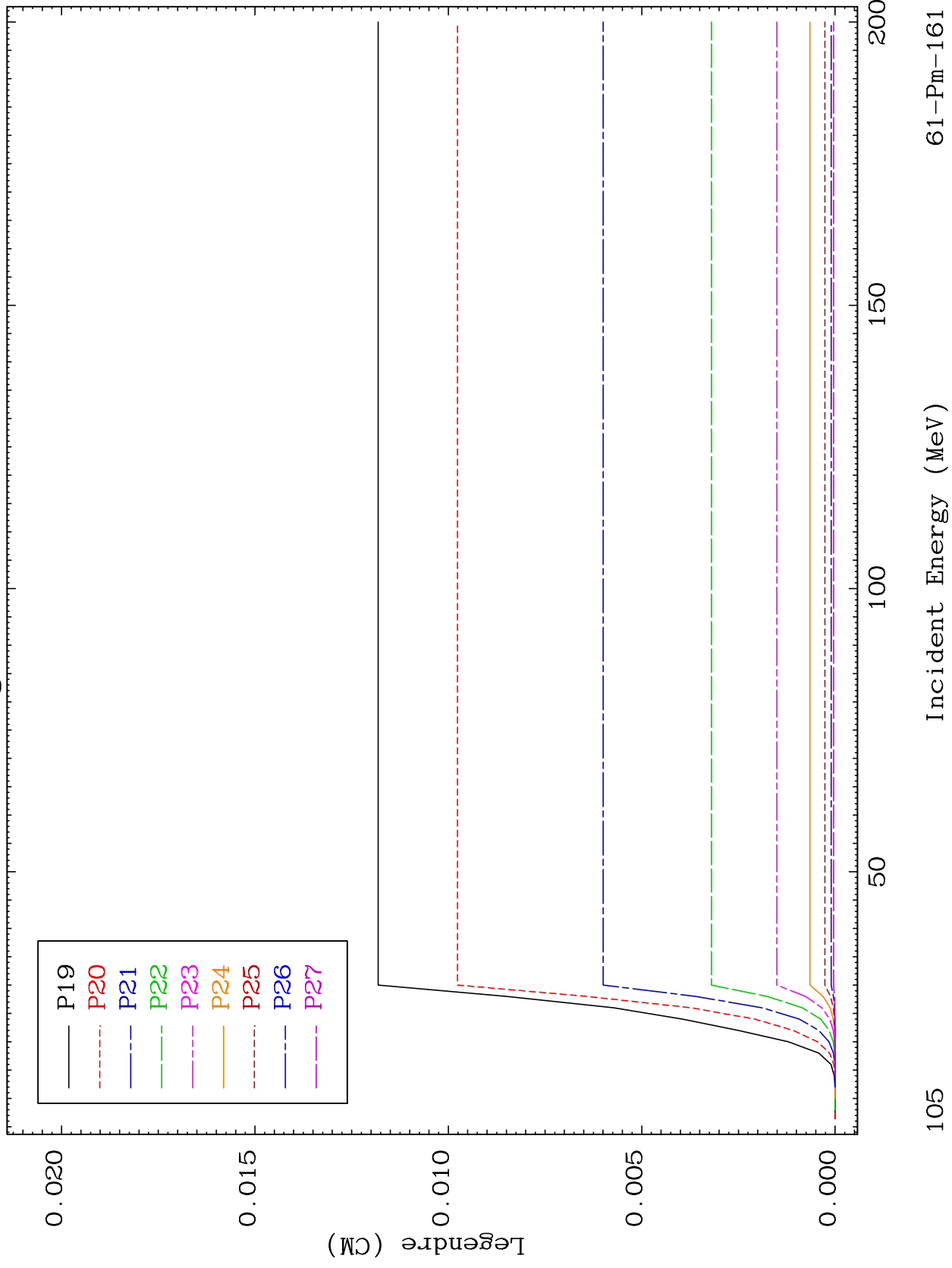
Incident Energy (MeV)

61-Pm-161

MAT 6191

MT= 72 (n,n') Level  
Legendre Coefficients

61-Pm-161



105

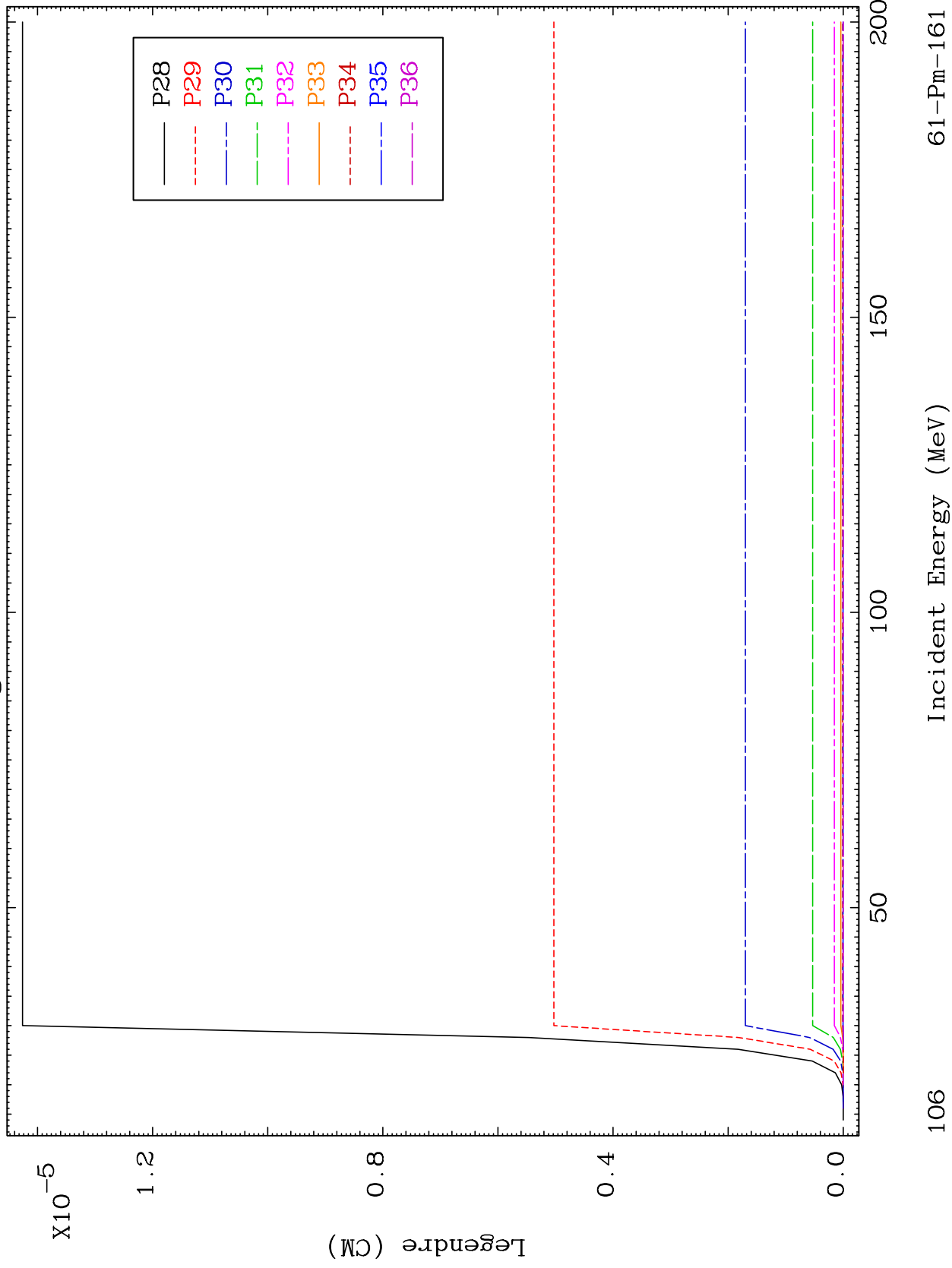
Incident Energy (MeV)

61-Pm-161

MAT 6191

MT= 72 (n,n') Level  
Legendre Coefficients

61-Pm-161



106

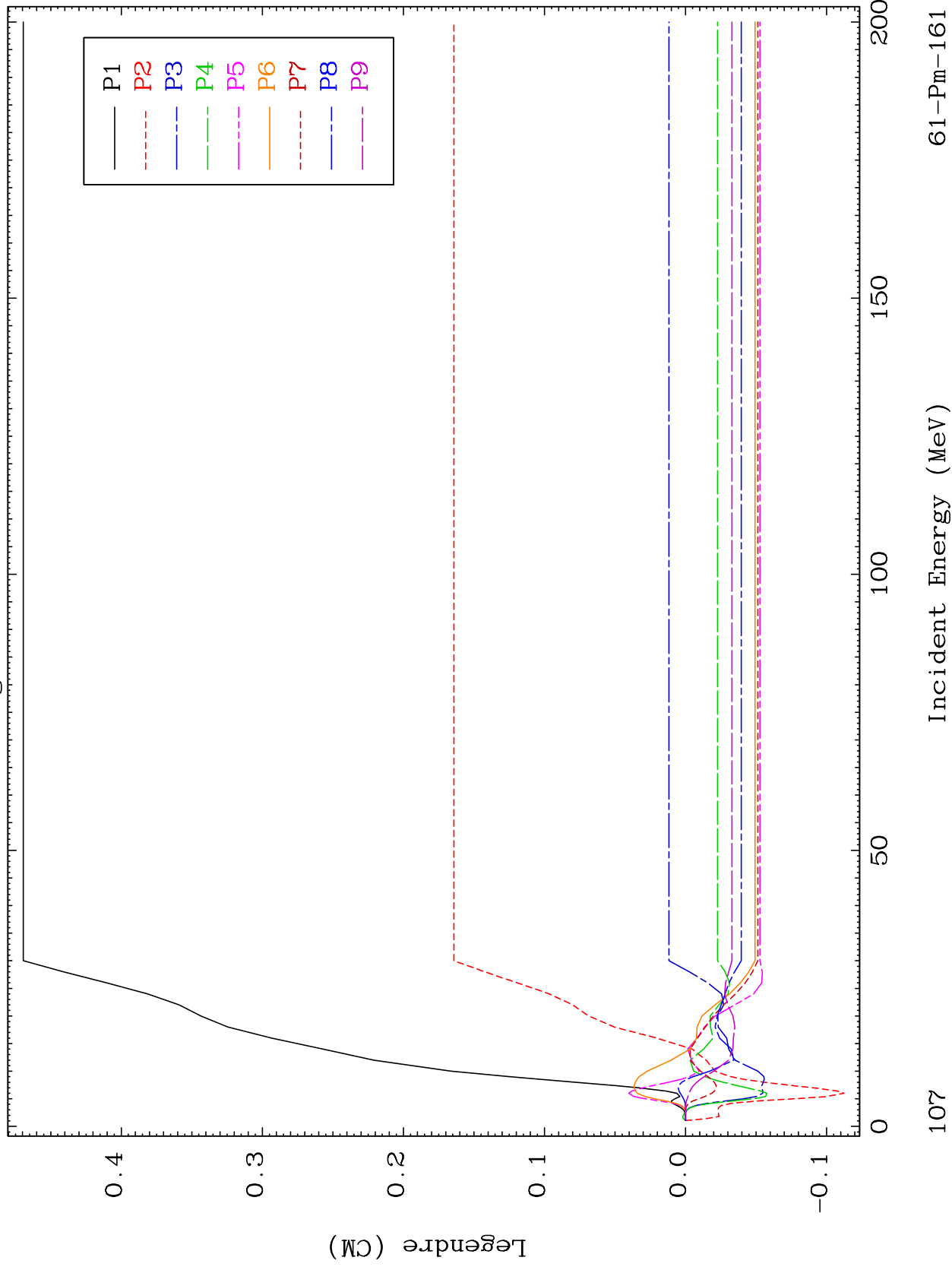
Incident Energy (MeV)

61-Pm-161

MAT 6191

MT= 73 (n,n') Level  
Legendre Coefficients

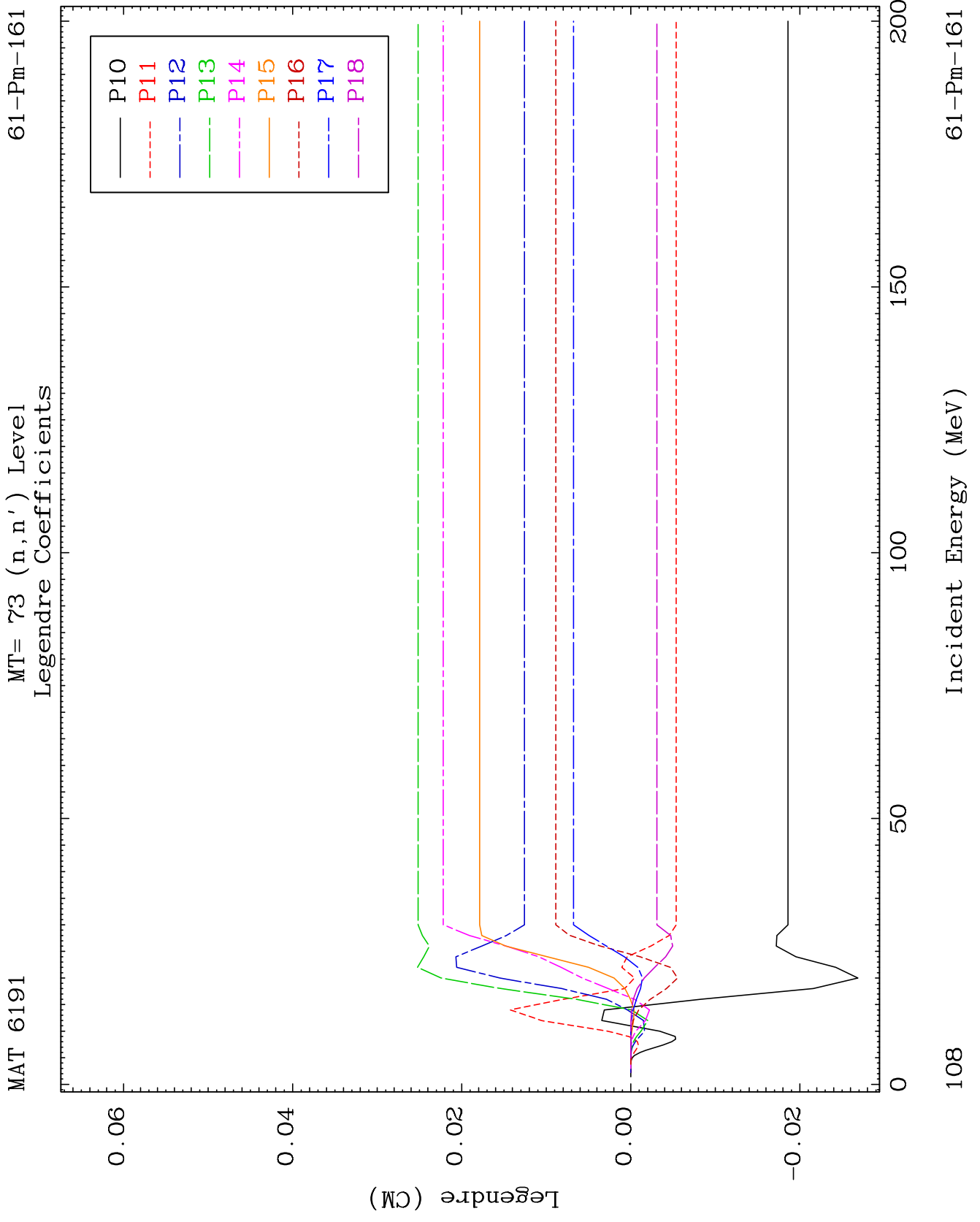
61-Pm-161



107

Incident Energy (MeV)

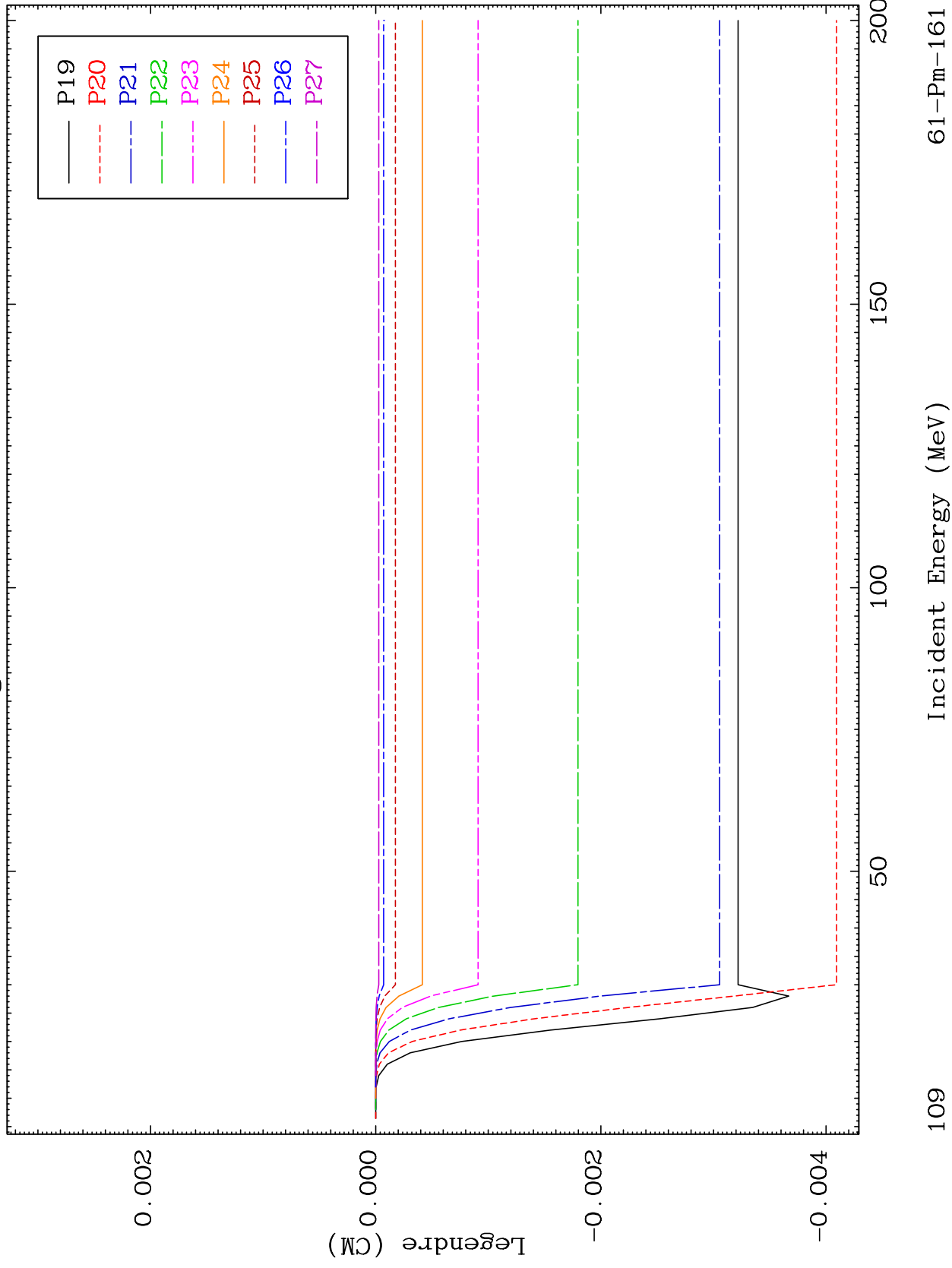
61-Pm-161



MAT 6191

MT= 73 (n,n') Level  
Legendre Coefficients

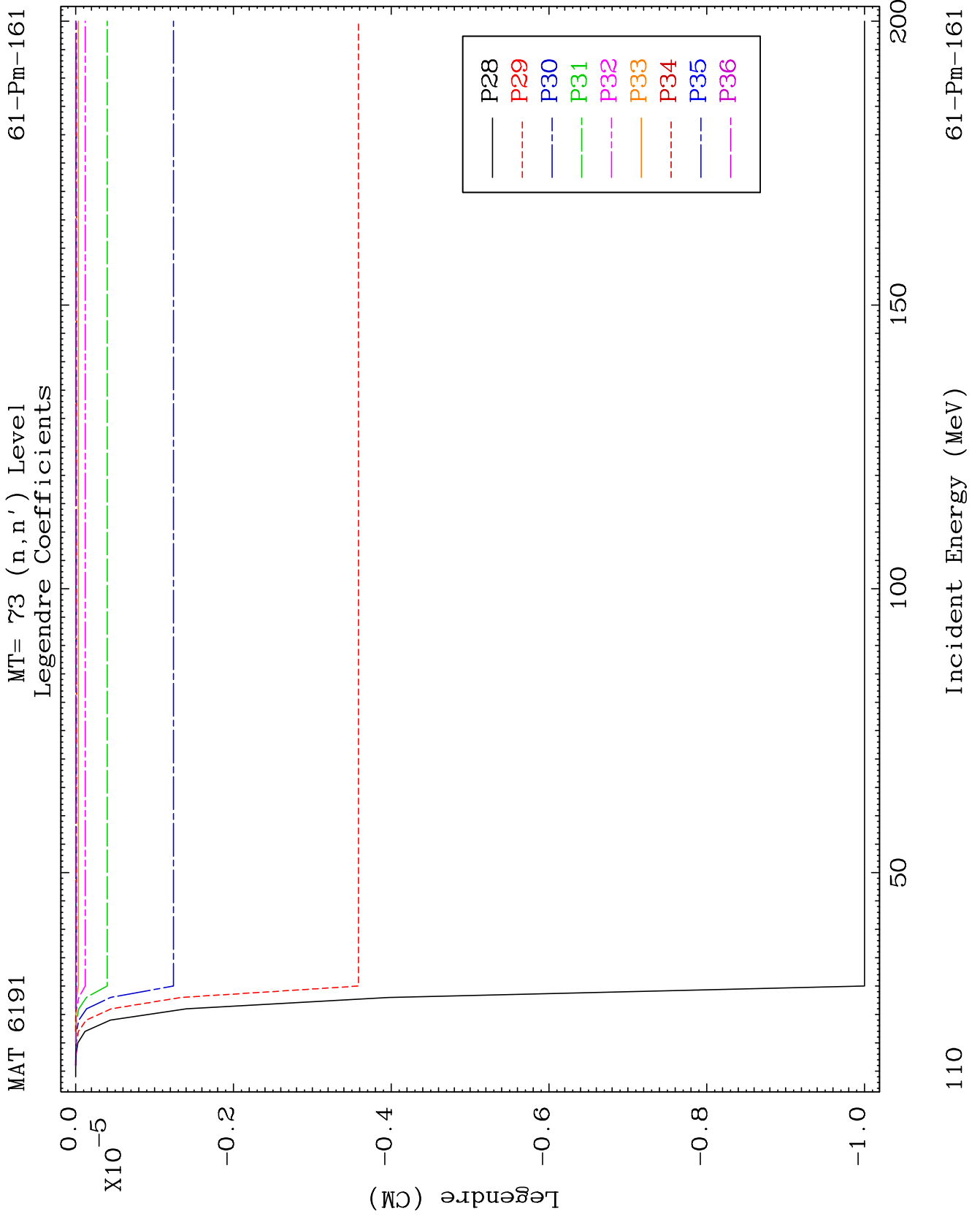
61-Pm-161



109

Incident Energy (MeV)

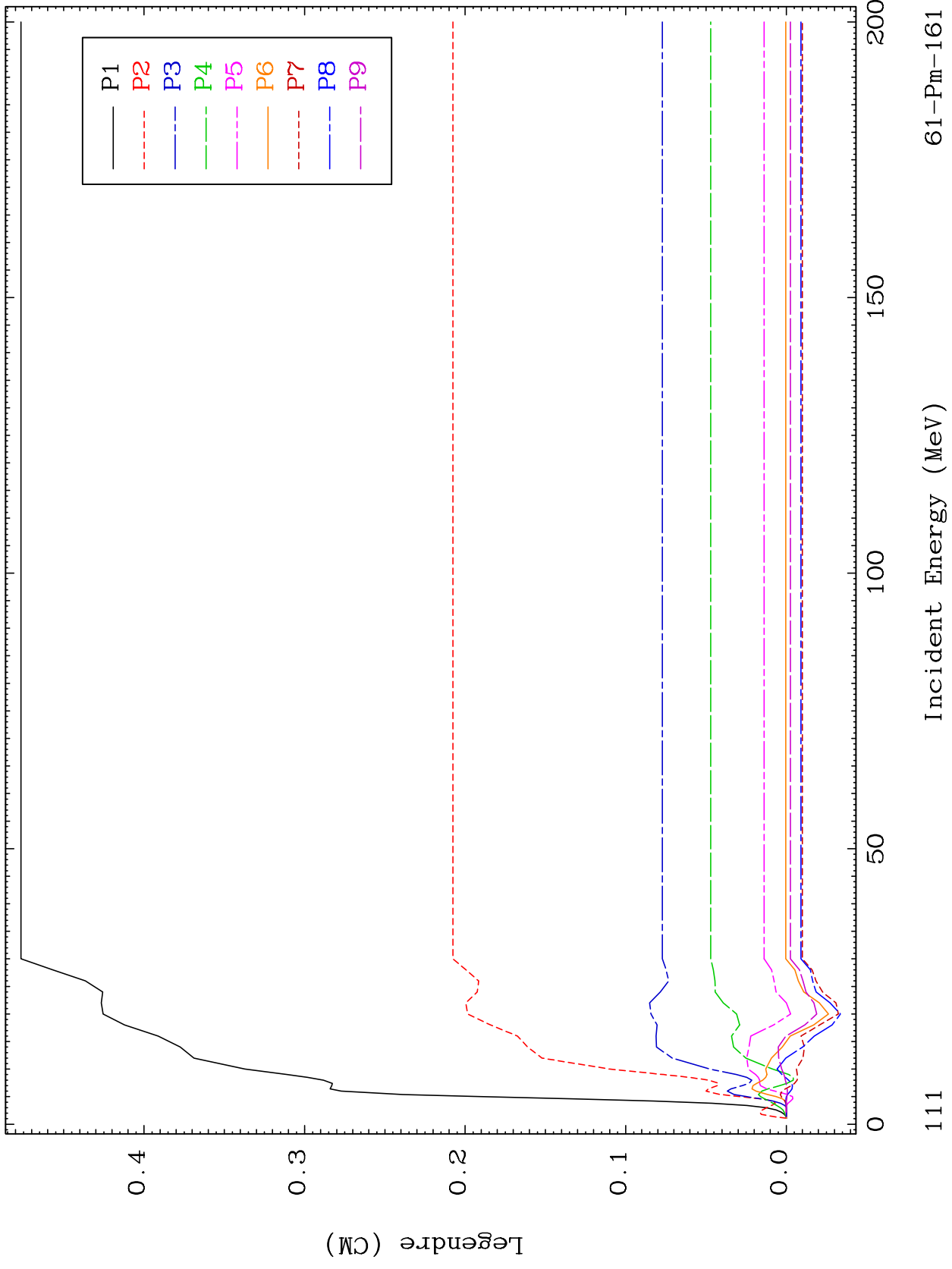
61-Pm-161



MAT 6191

MT= 74 (n,n') Level  
Legendre Coefficients

61-Pm-161



61-Pm-161

Incident Energy (MeV)

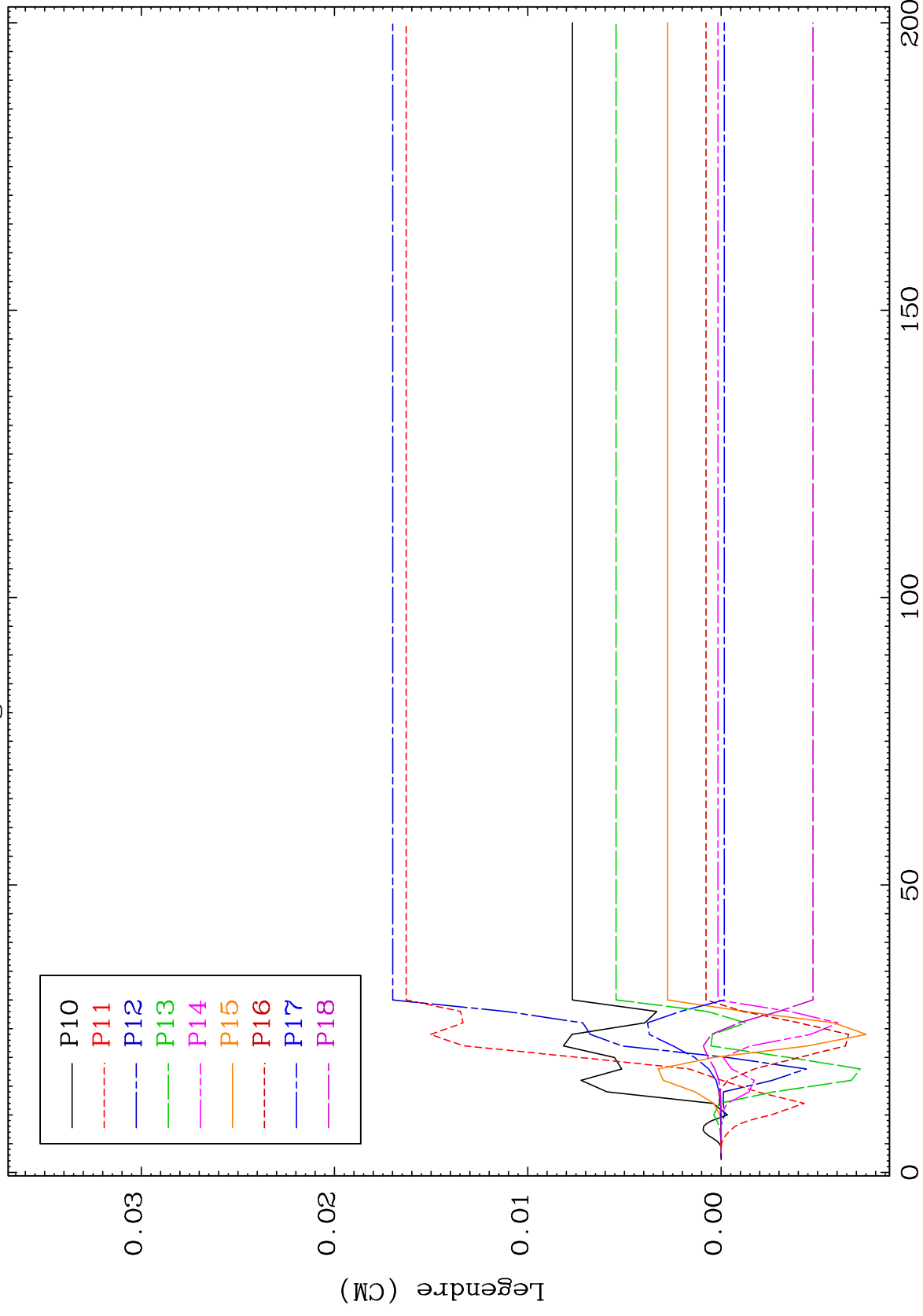
111



MAT 6191

MT= 74 (n,n') Level  
Legendre Coefficients

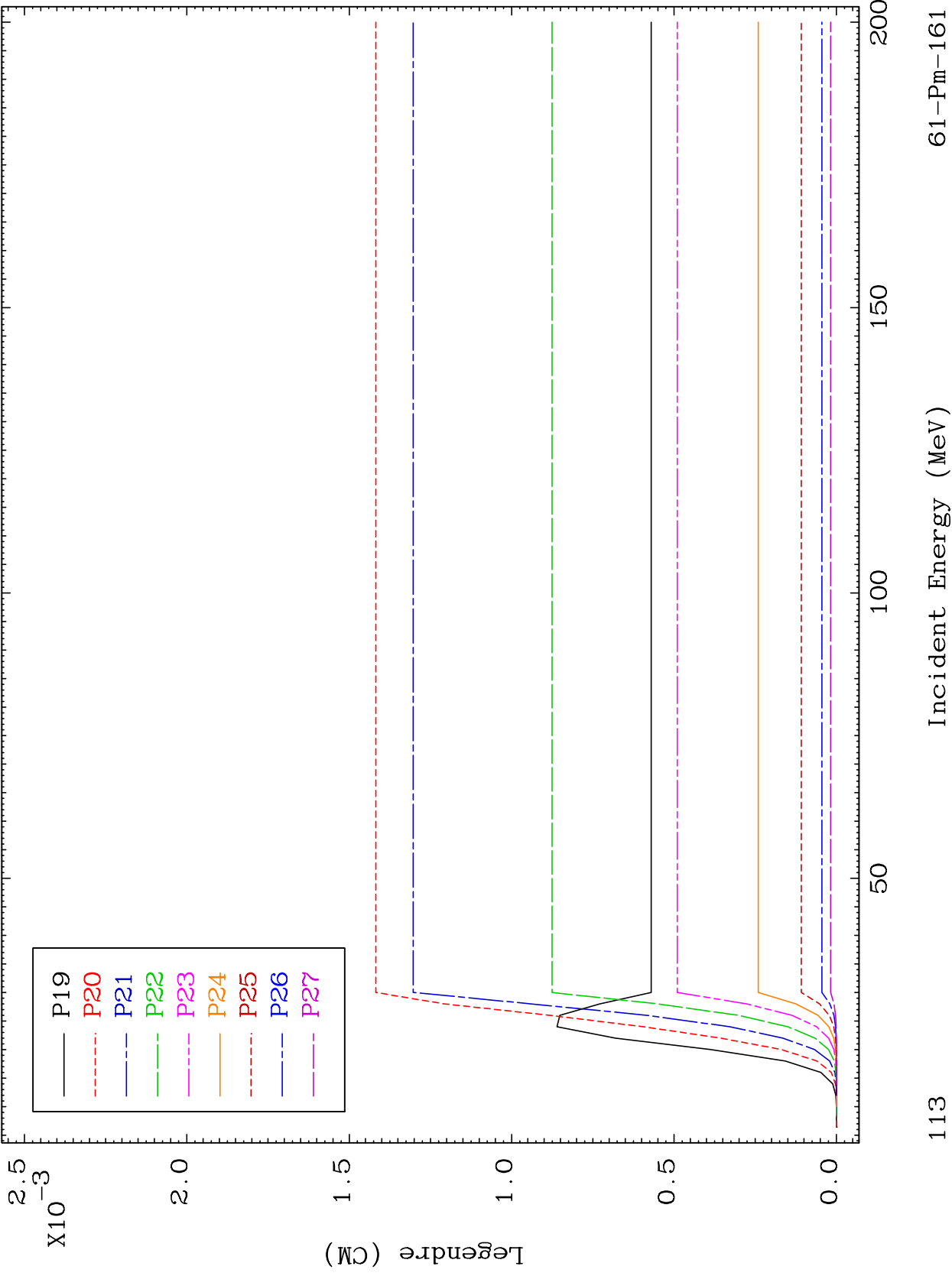
61-Pm-161



112

Incident Energy (MeV)

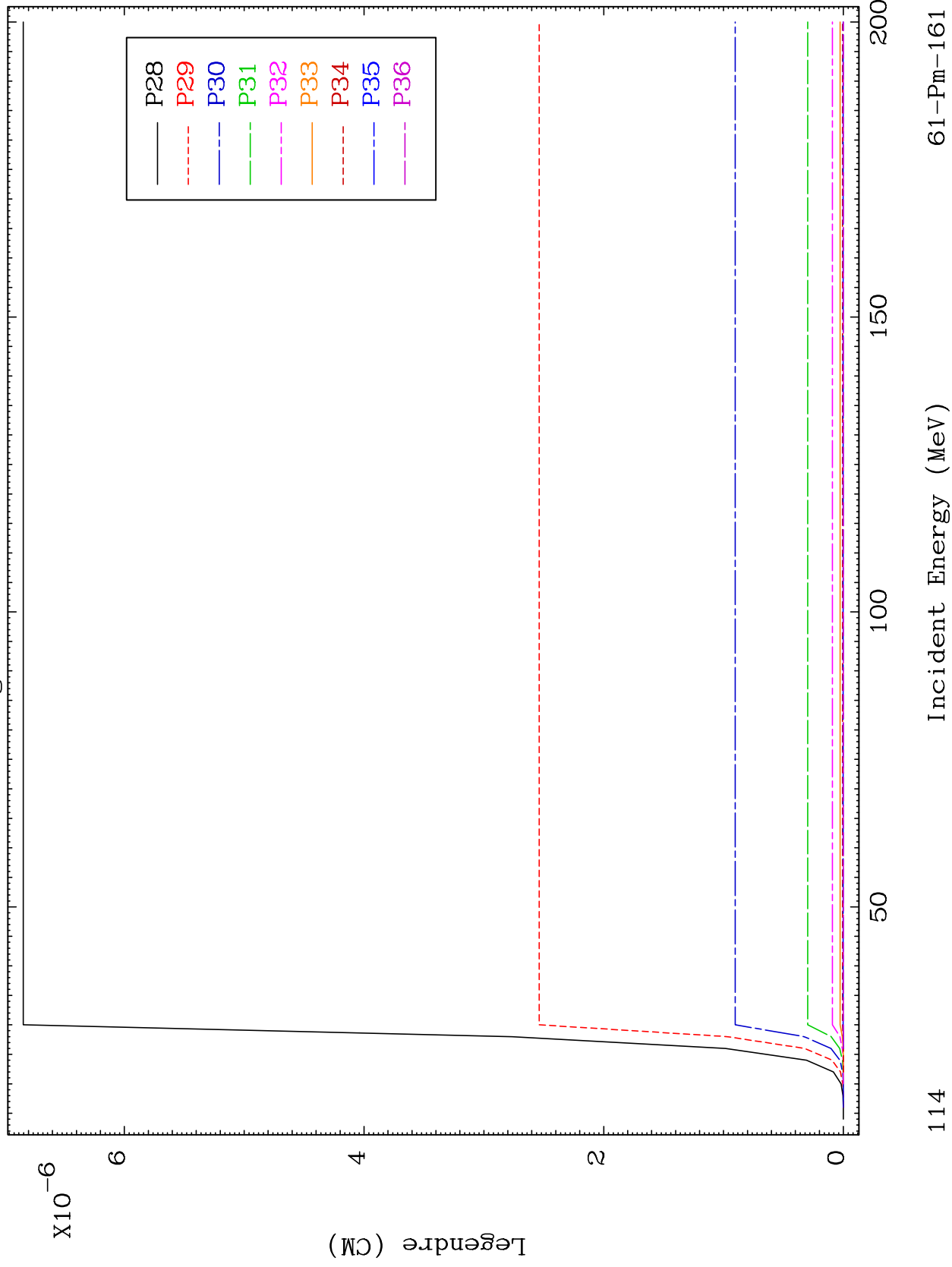
61-Pm-161



MAT 6191

MT= 74 (n,n') Level  
Legendre Coefficients

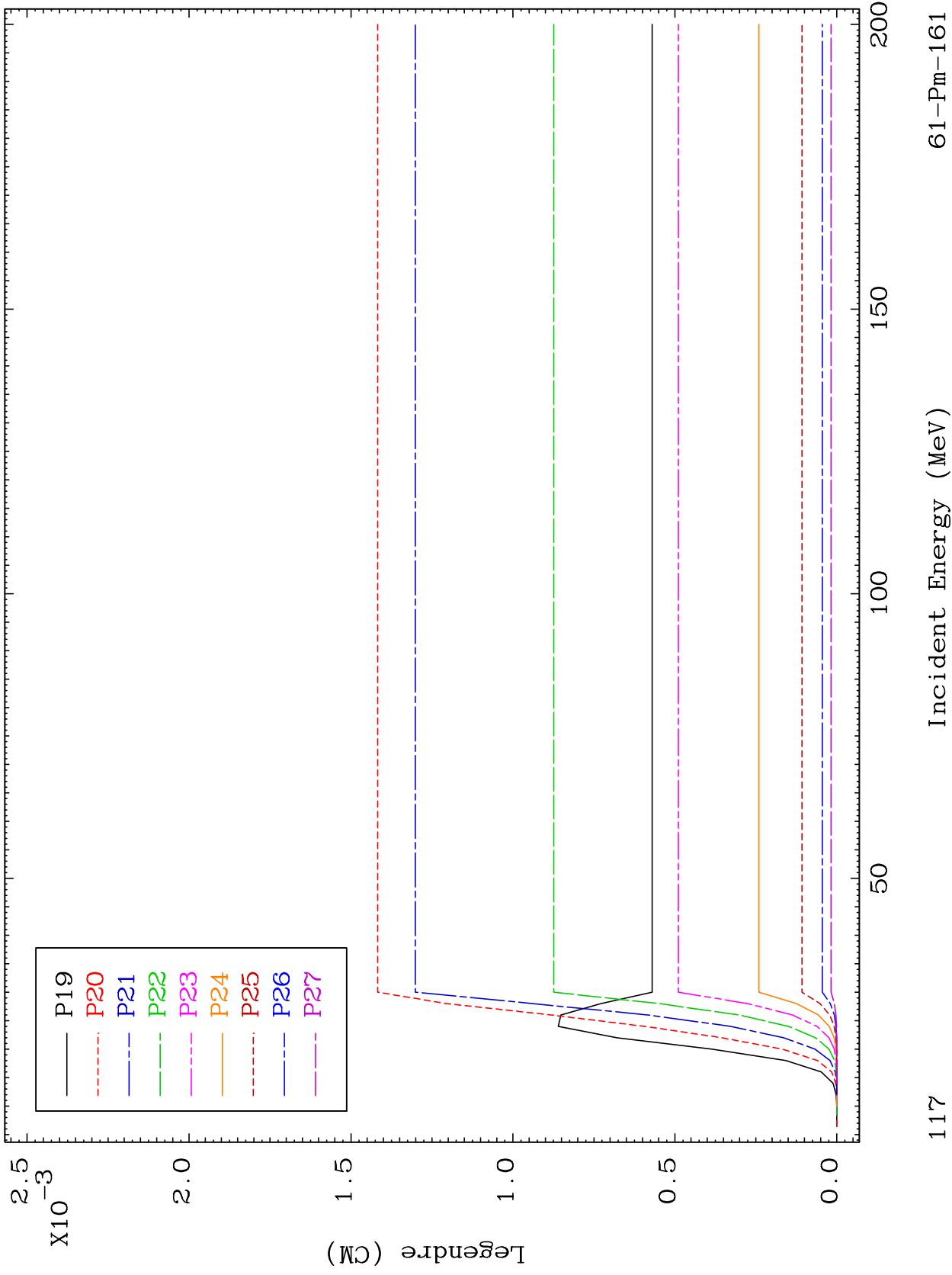
61-Pm-161



114



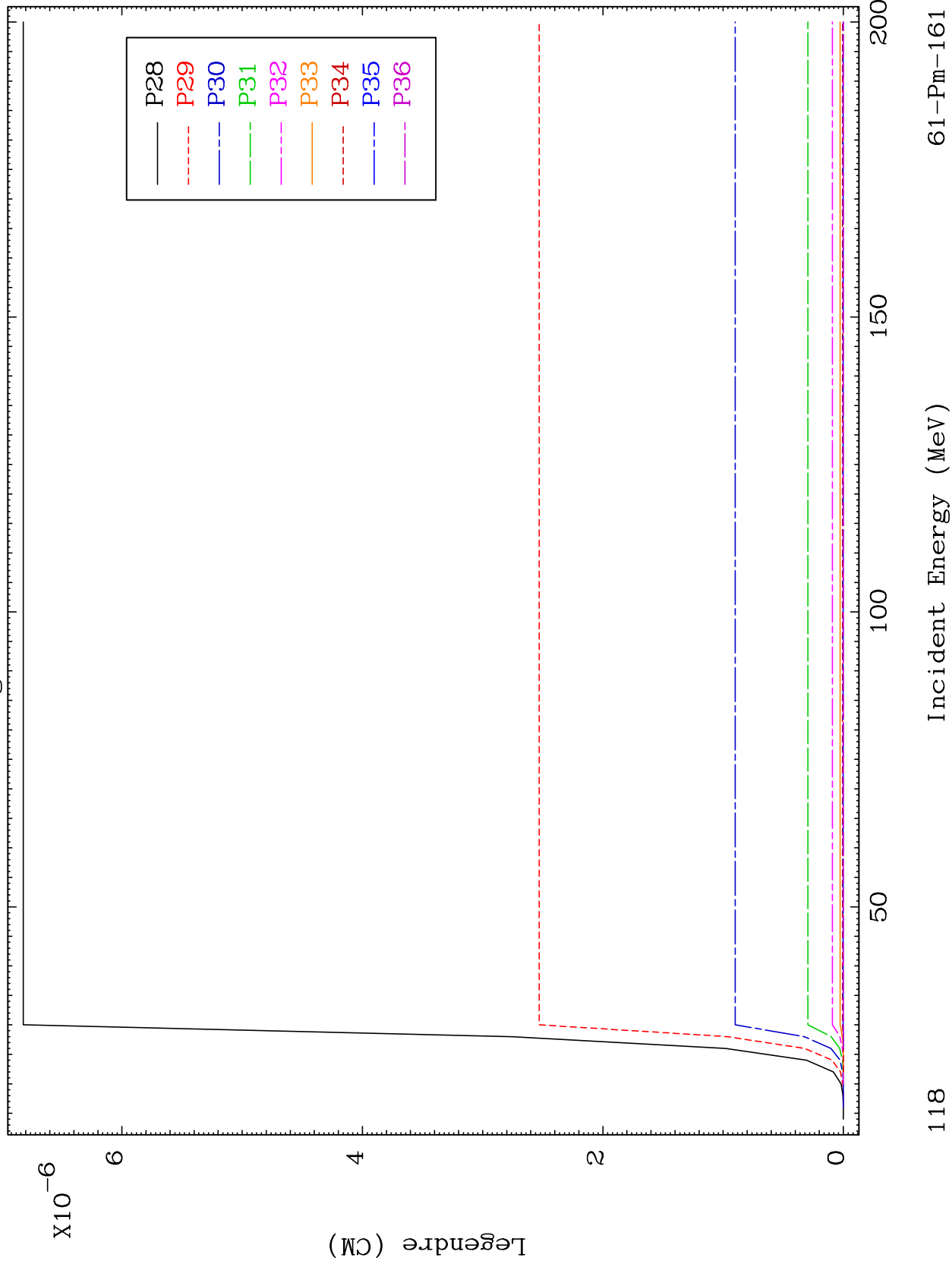




MAT 6191

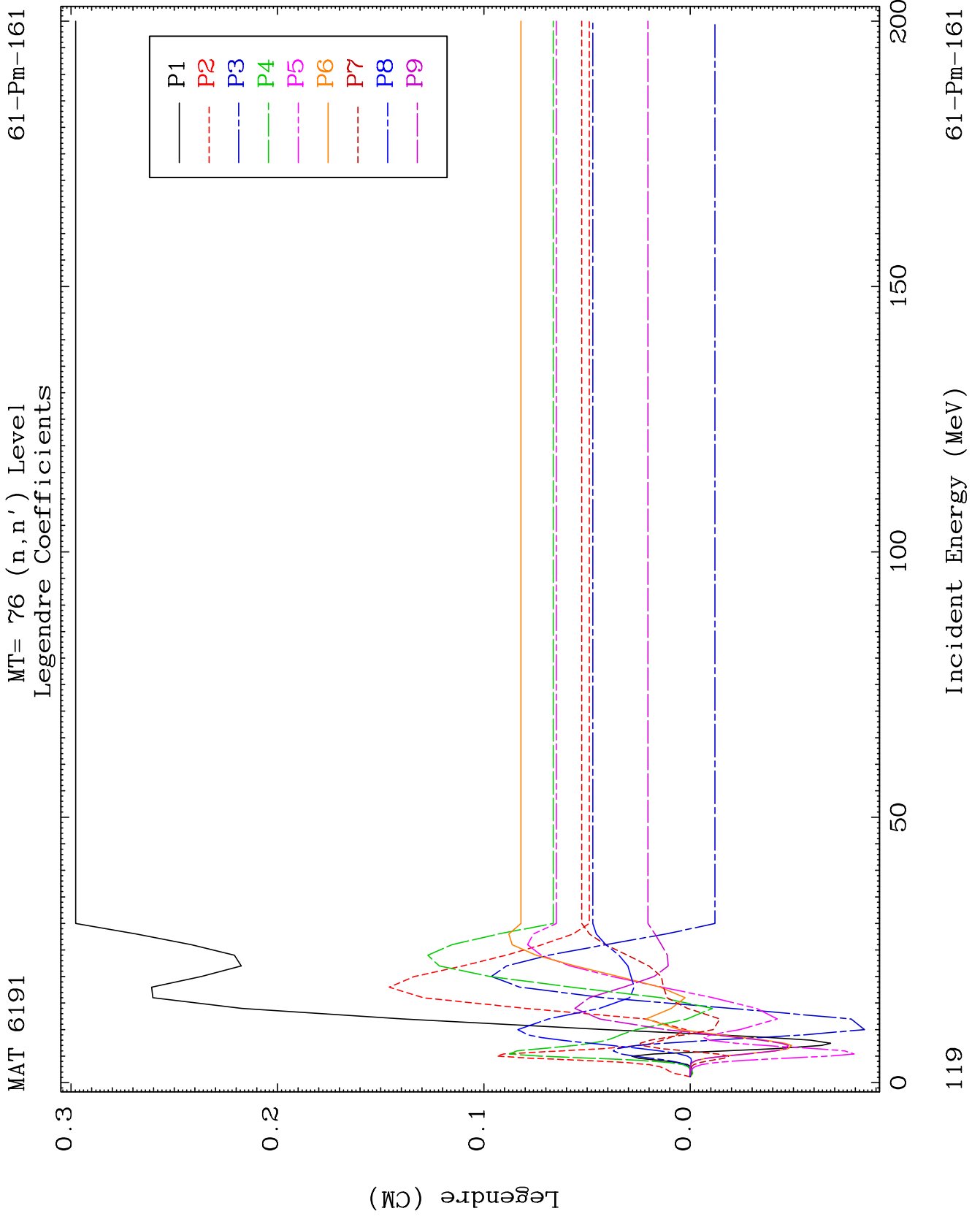
MT= 75 (n,n') Level  
Legendre Coefficients

61-Pm-161



118

61-Pm-161

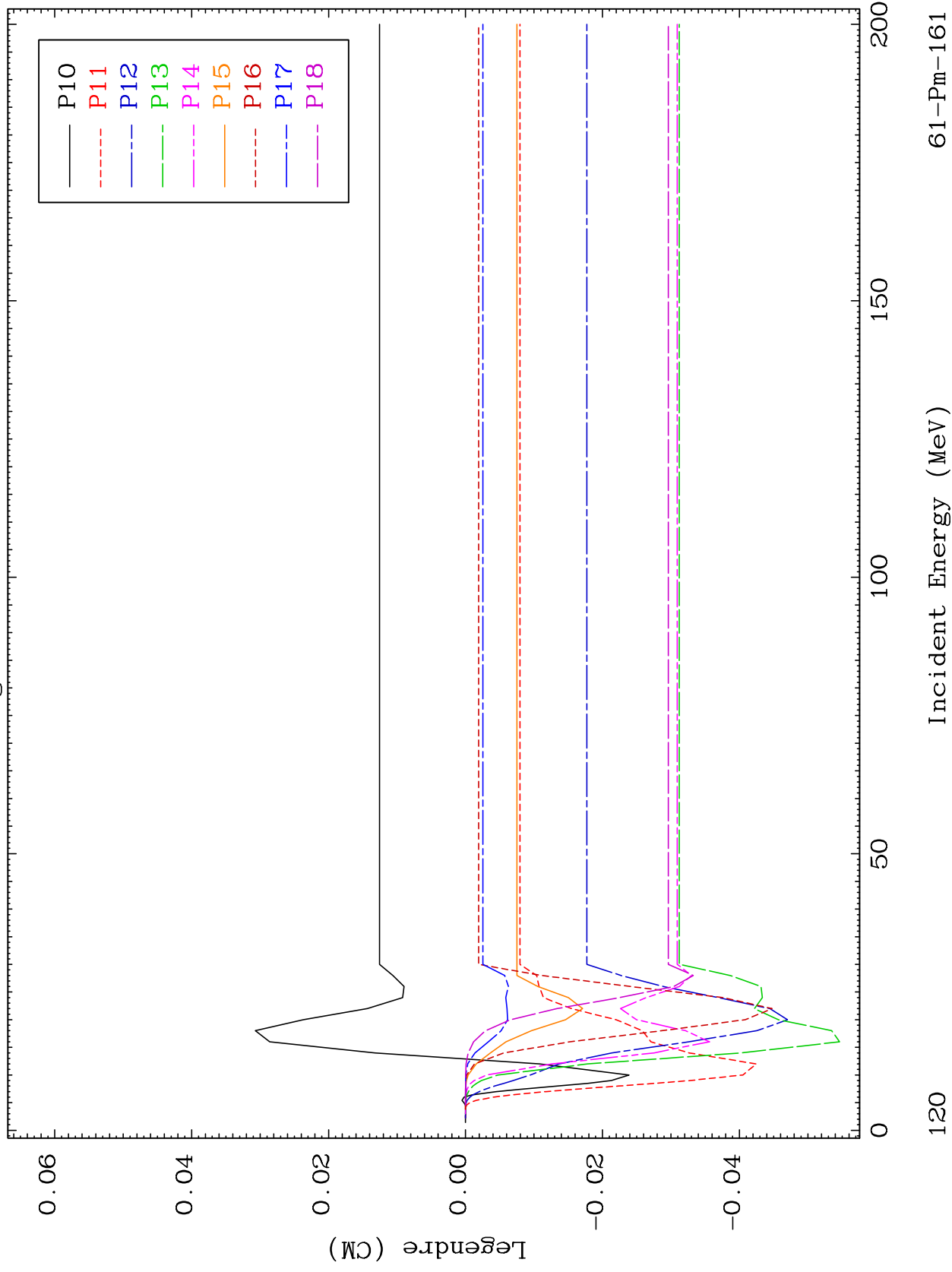




MAT 6191

MT= 76 (n,n') Level  
Legendre Coefficients

61-Pm-161



61-Pm-161

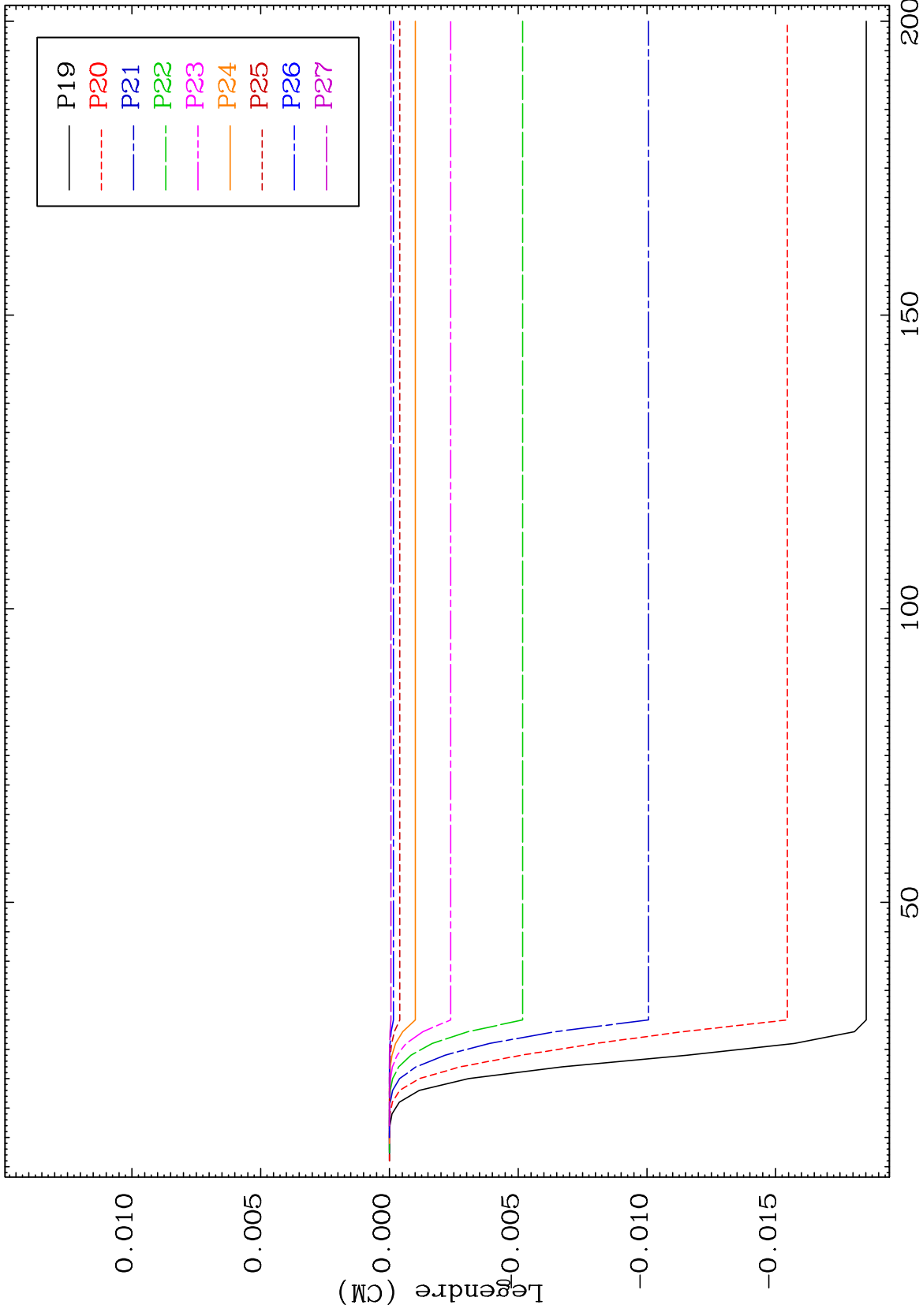
Incident Energy (MeV)

120

MAT 6191

MT= 76 (n,n') Level  
Legendre Coefficients

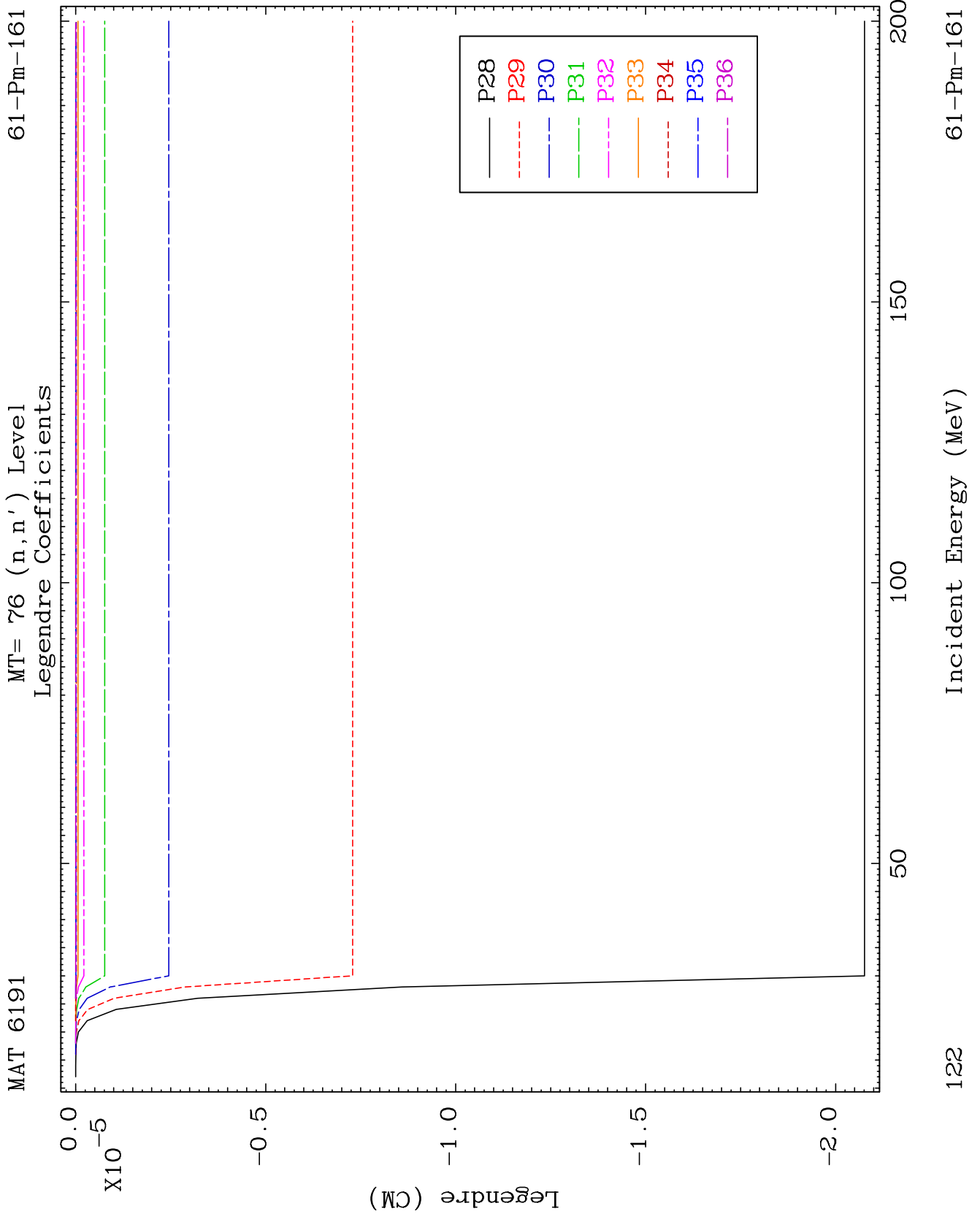
61-Pm-161



121

Incident Energy (MeV)

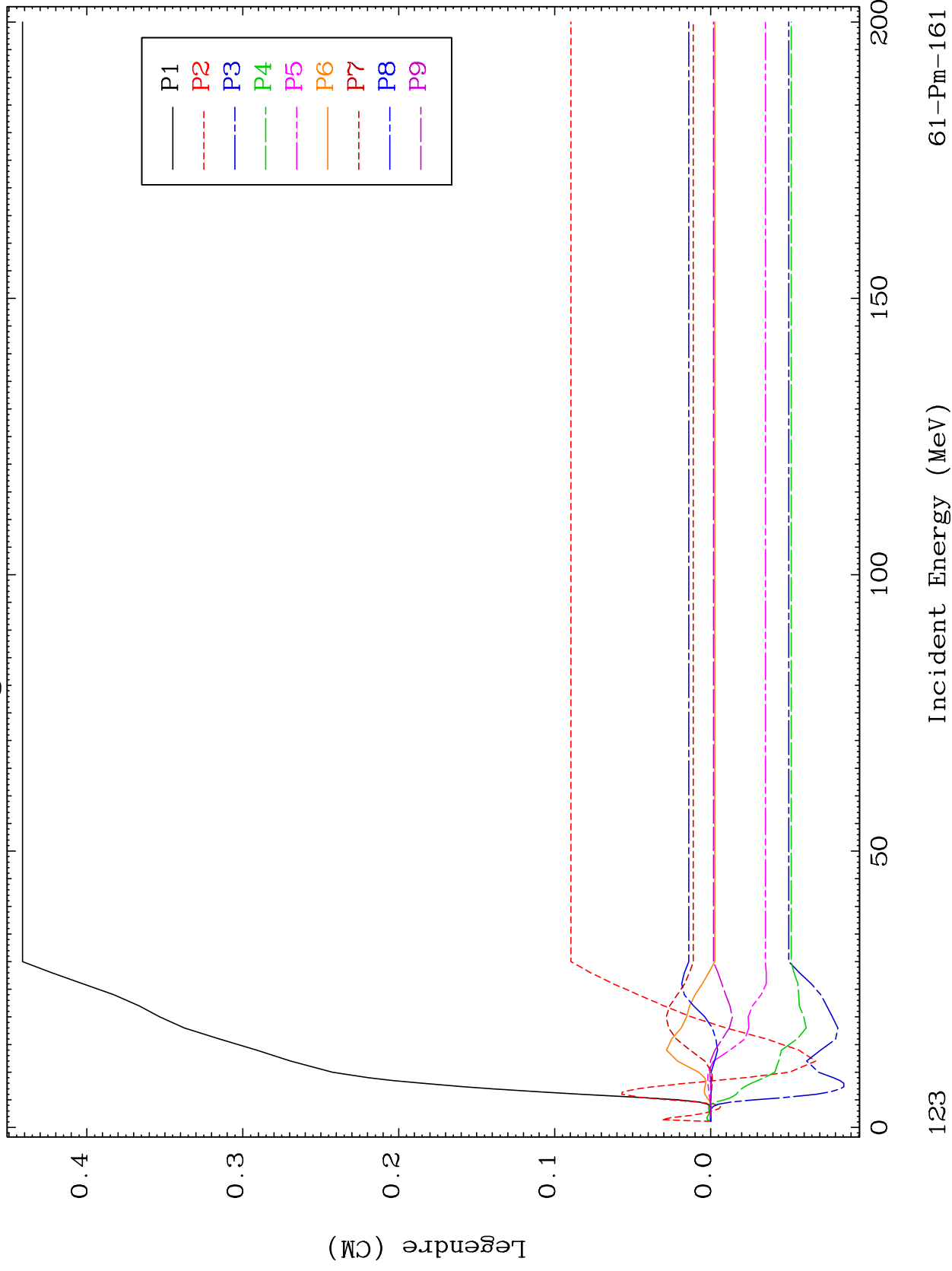
61-Pm-161



MAT 6191

MT= 77 (n,n') Level  
Legendre Coefficients

61-Pm-161



61-Pm-161

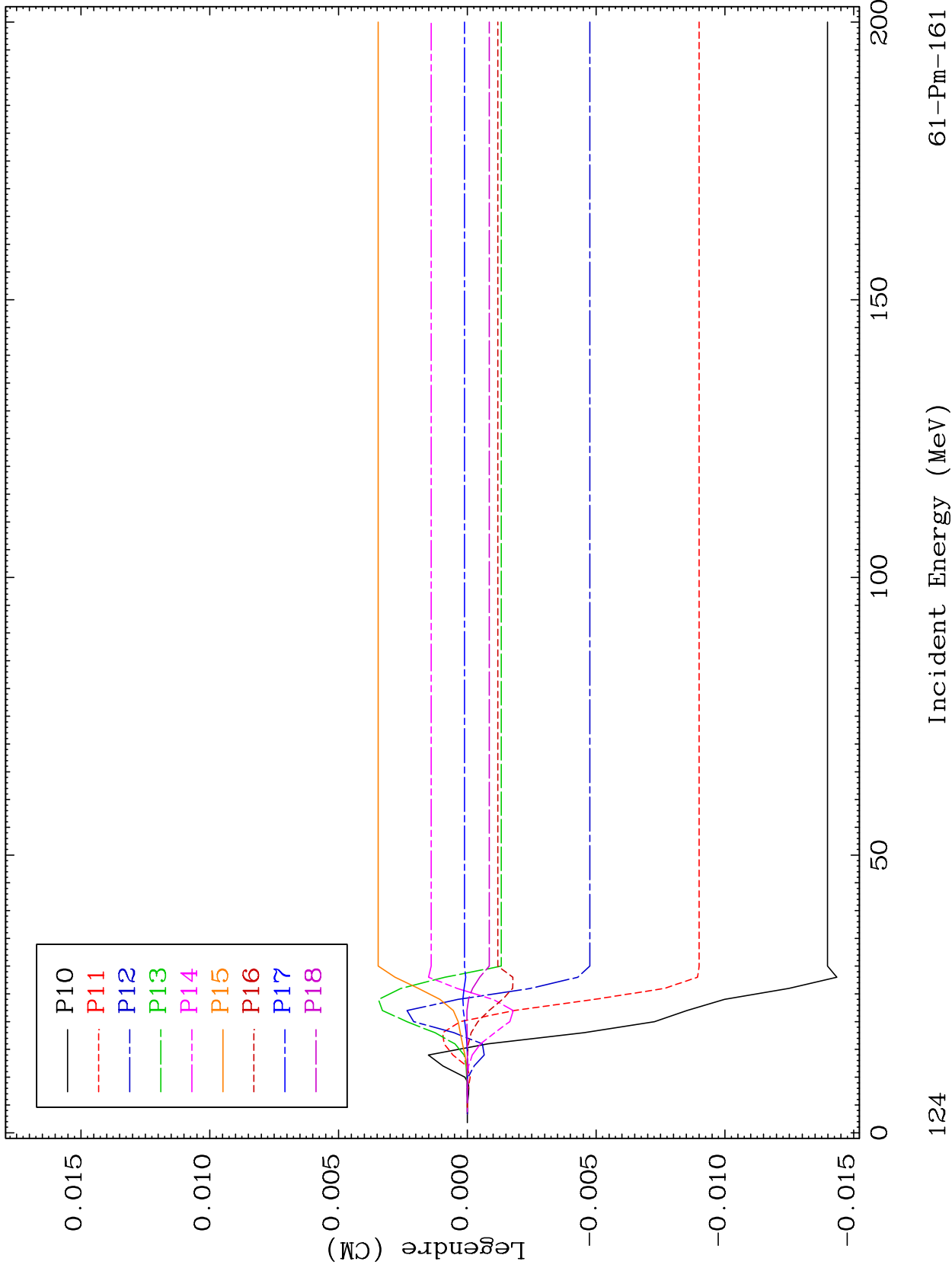
Incident Energy (MeV)

123

MAT 6191

MT= 77 (n,n') Level  
Legendre Coefficients

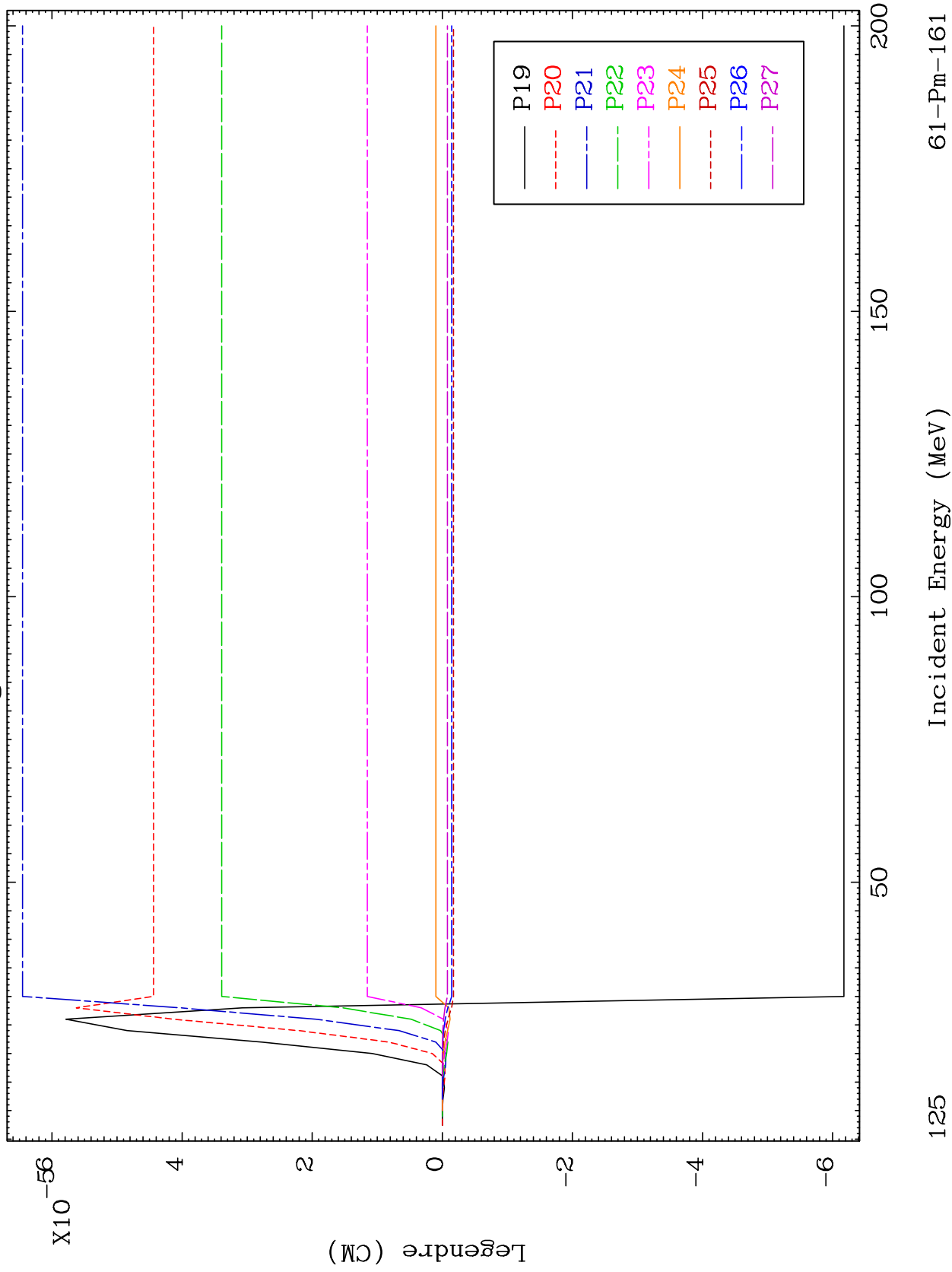
61-Pm-161



MAT 6191

MT= 77 (n,n') Level  
Legendre Coefficients

61-Pm-161



125

Incident Energy (MeV)

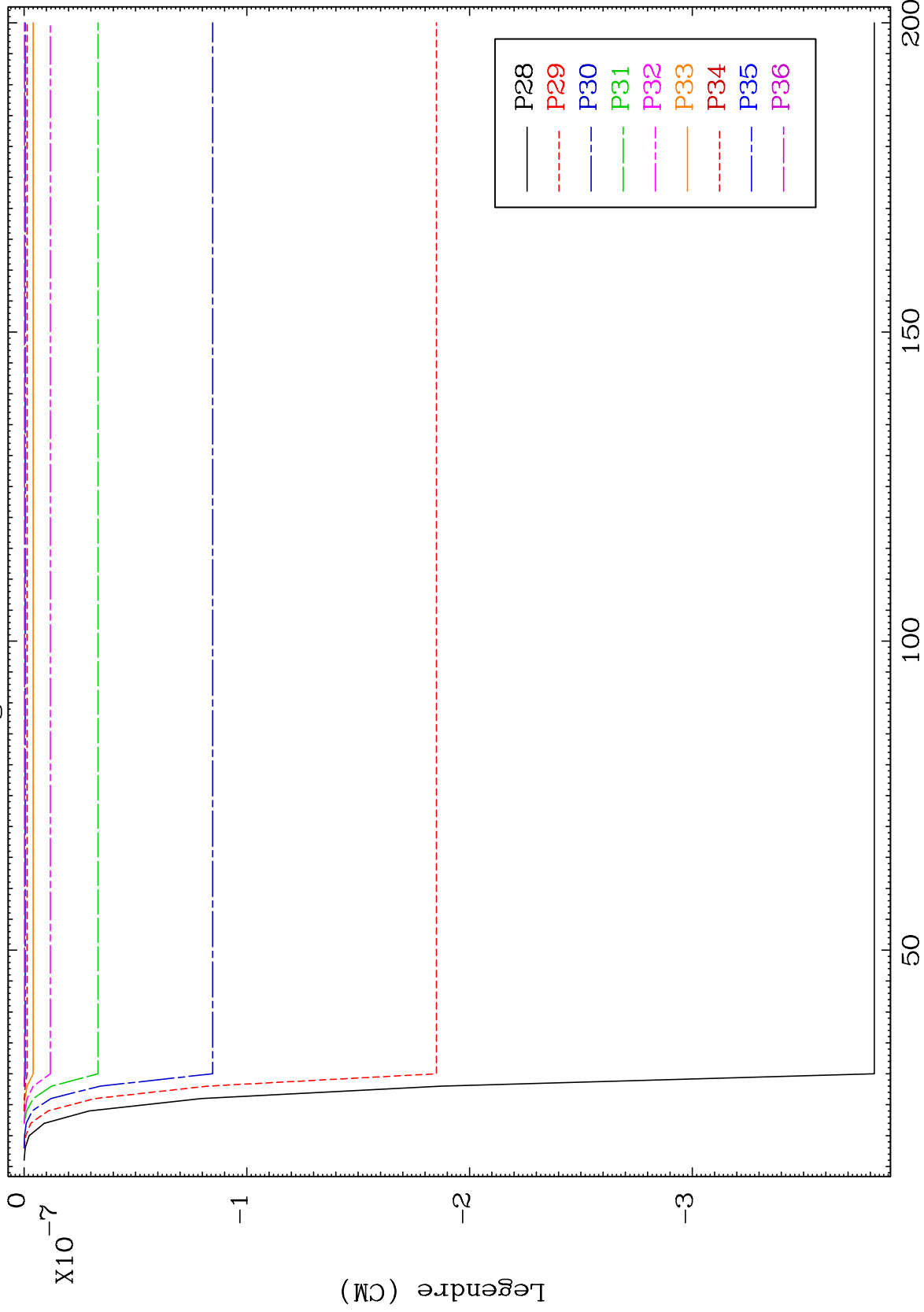
61-Pm-161

MAT 6191

MT= 77 (n,n') Level

61-Pm-161

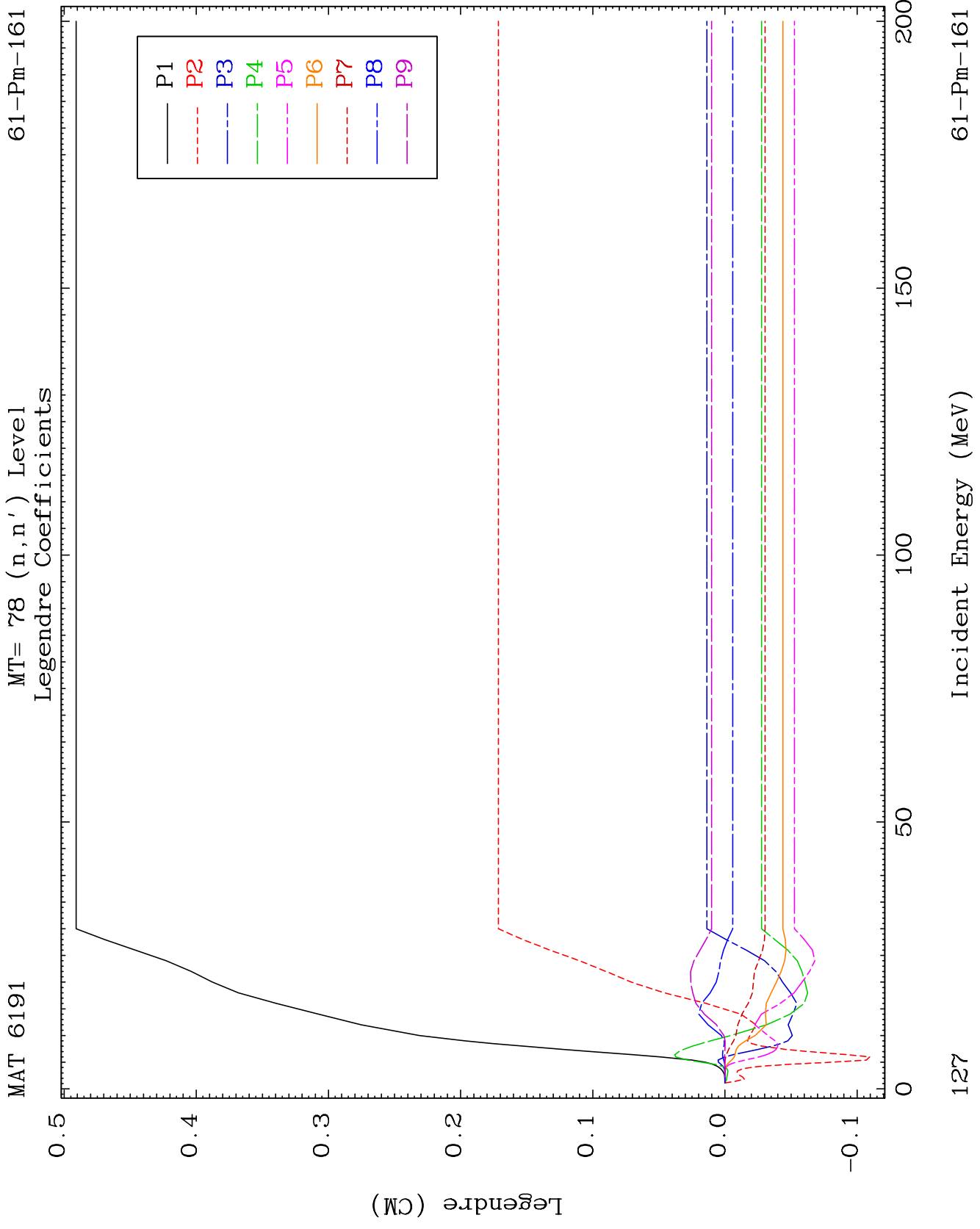
Legendre Coefficients



126

Incident Energy (MeV)

61-Pm-161

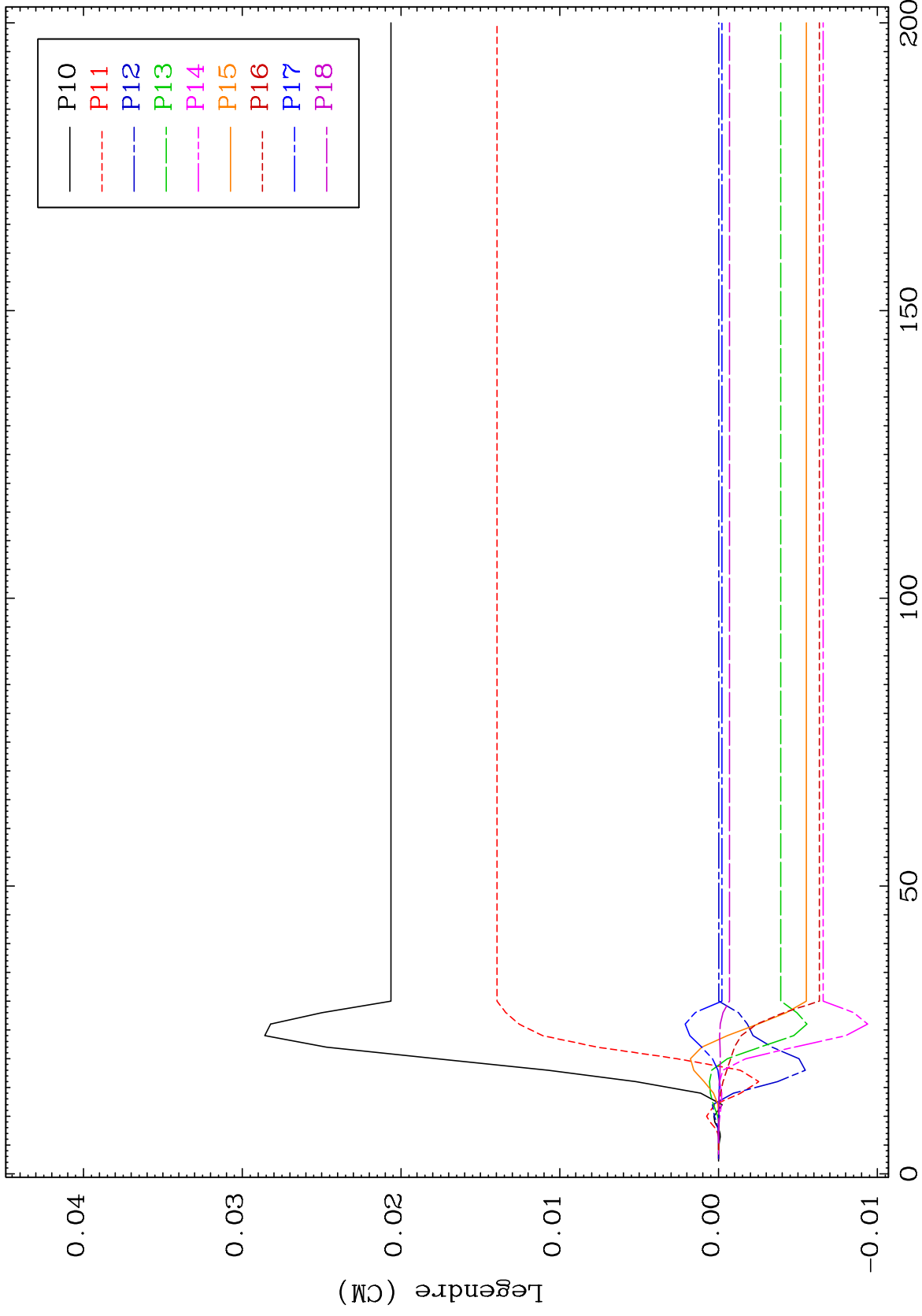




MAT 6191

MT= 78 (n,n') Level  
Legendre Coefficients

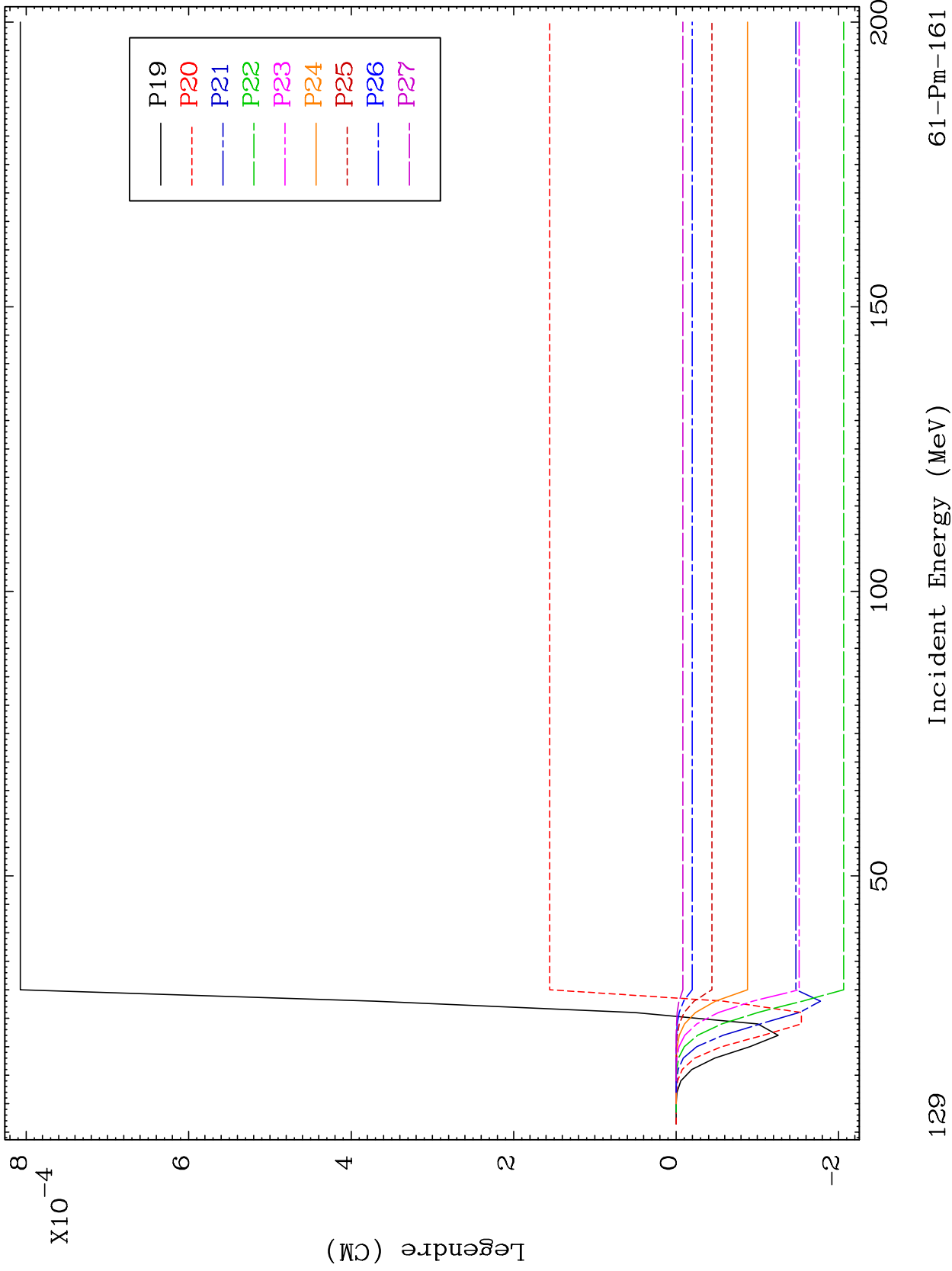
61-Pm-161

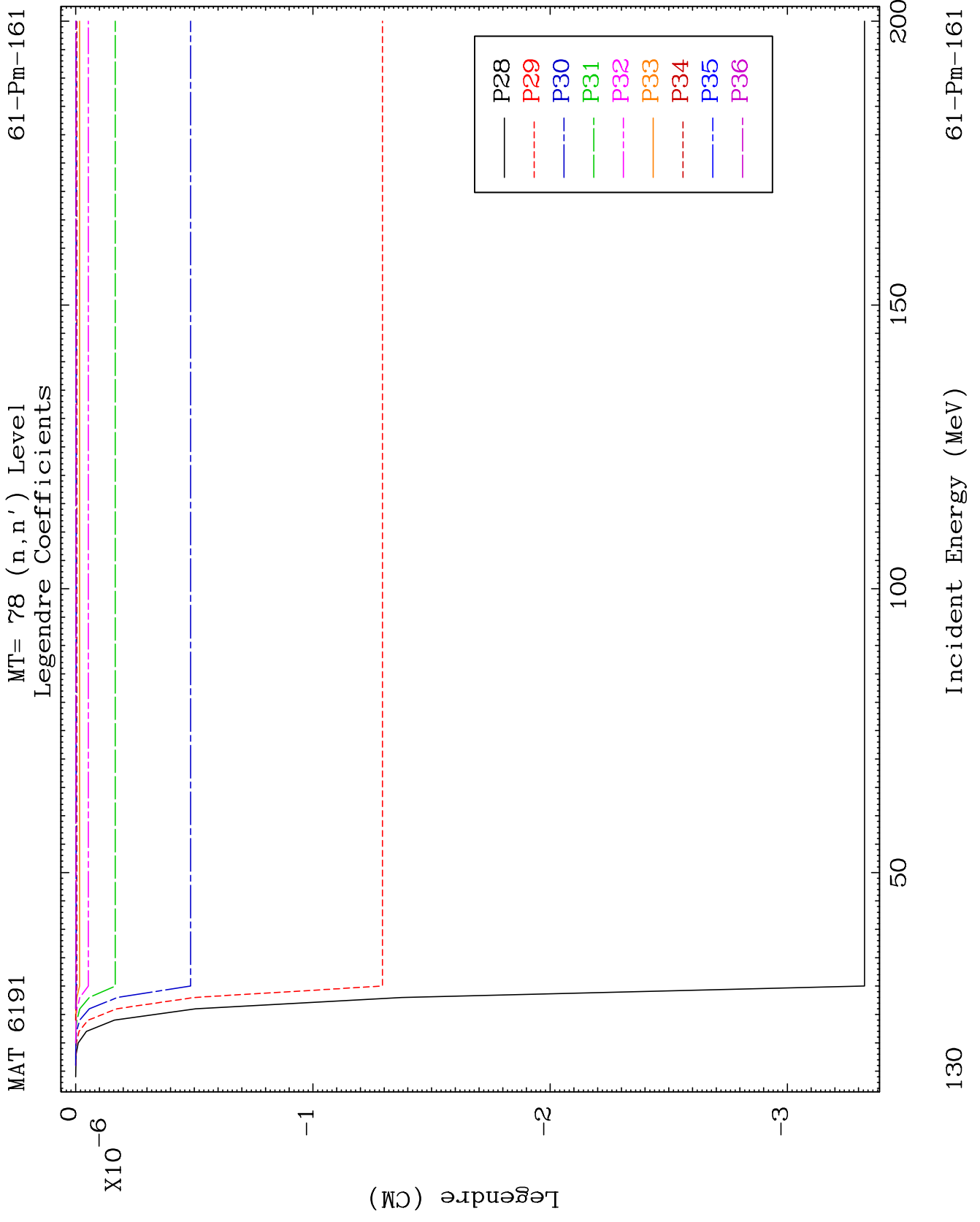


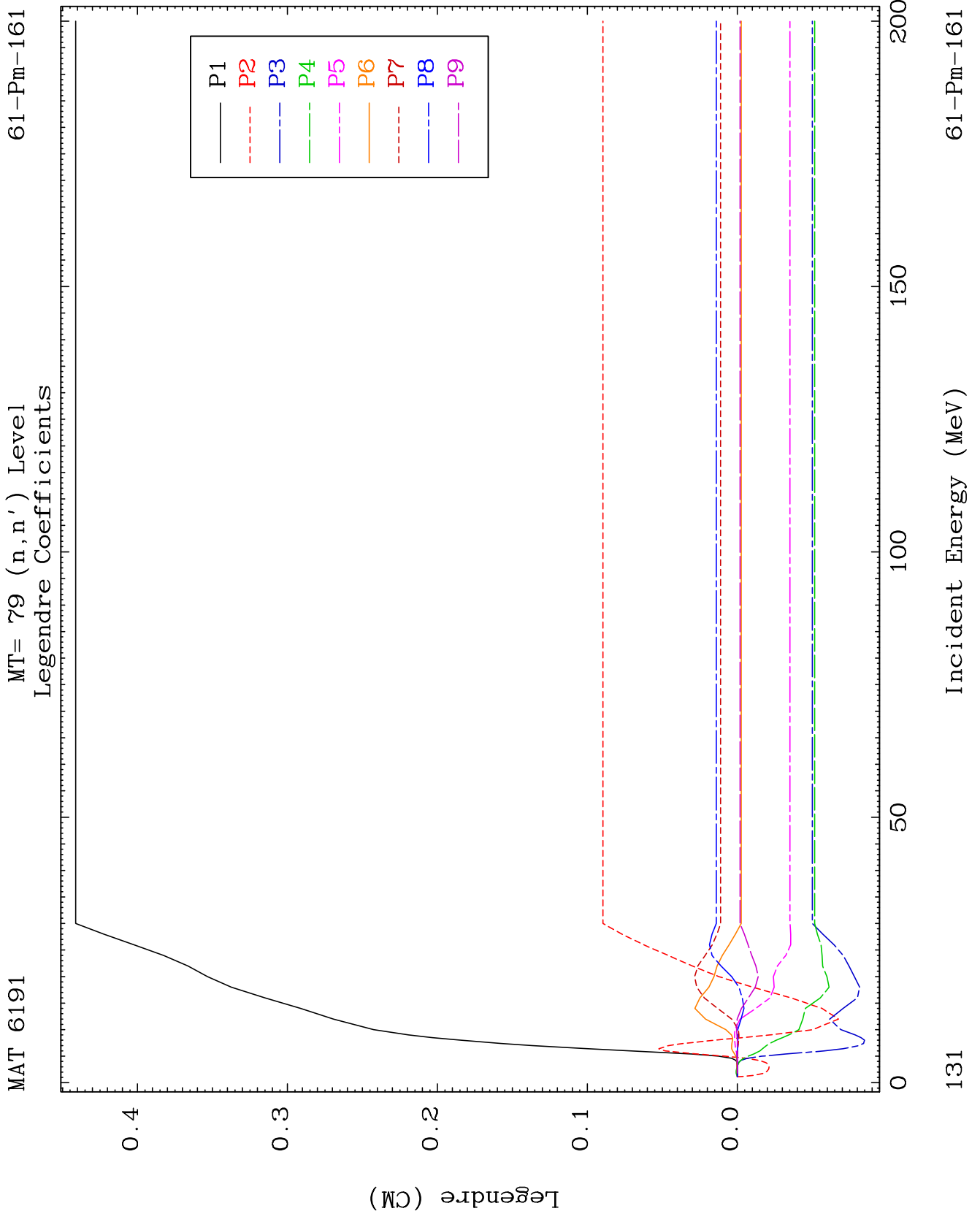
128

Incident Energy (MeV)

61-Pm-161



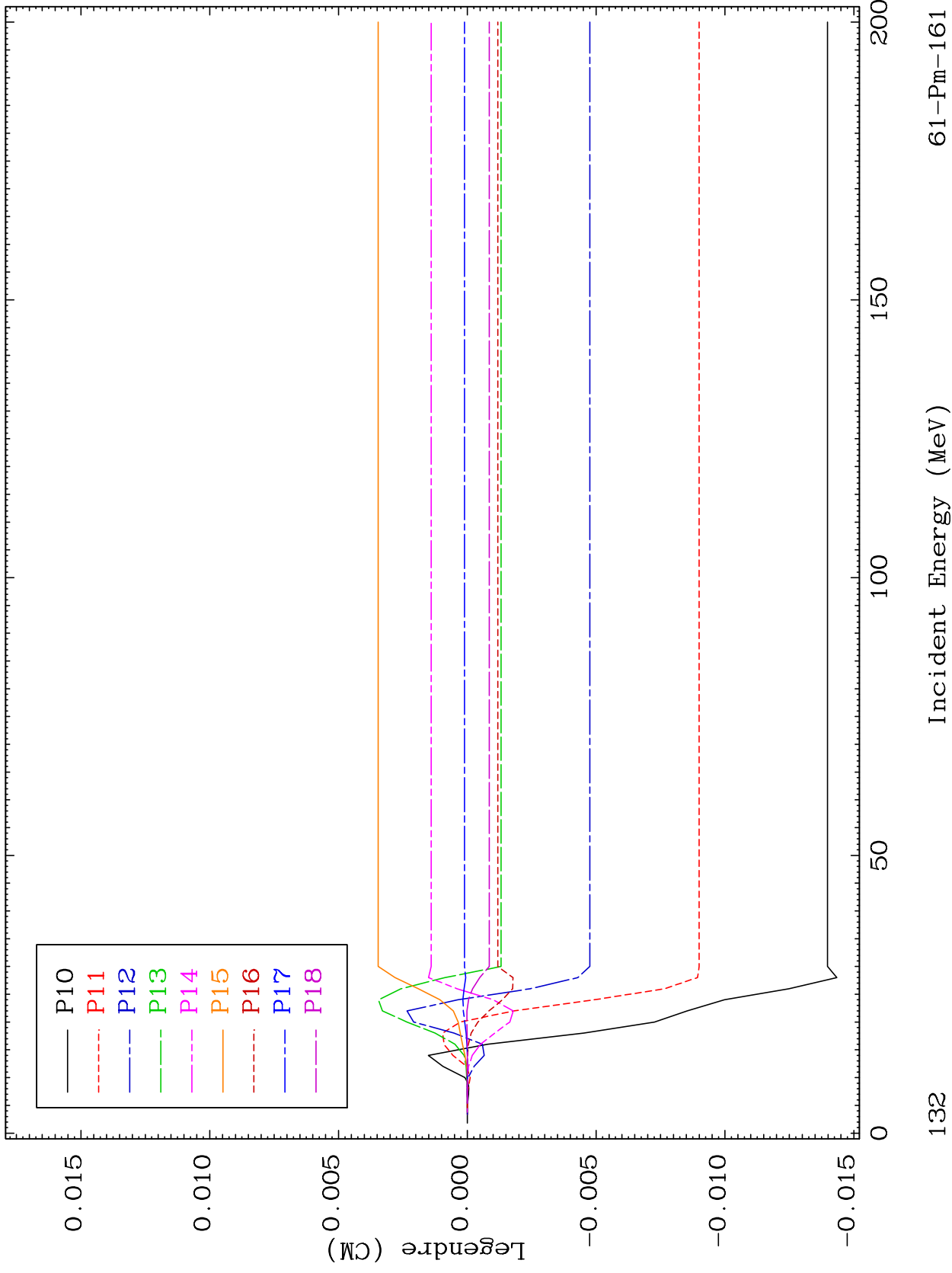




MAT 6191

MT= 79 (n,n') Level  
Legendre Coefficients

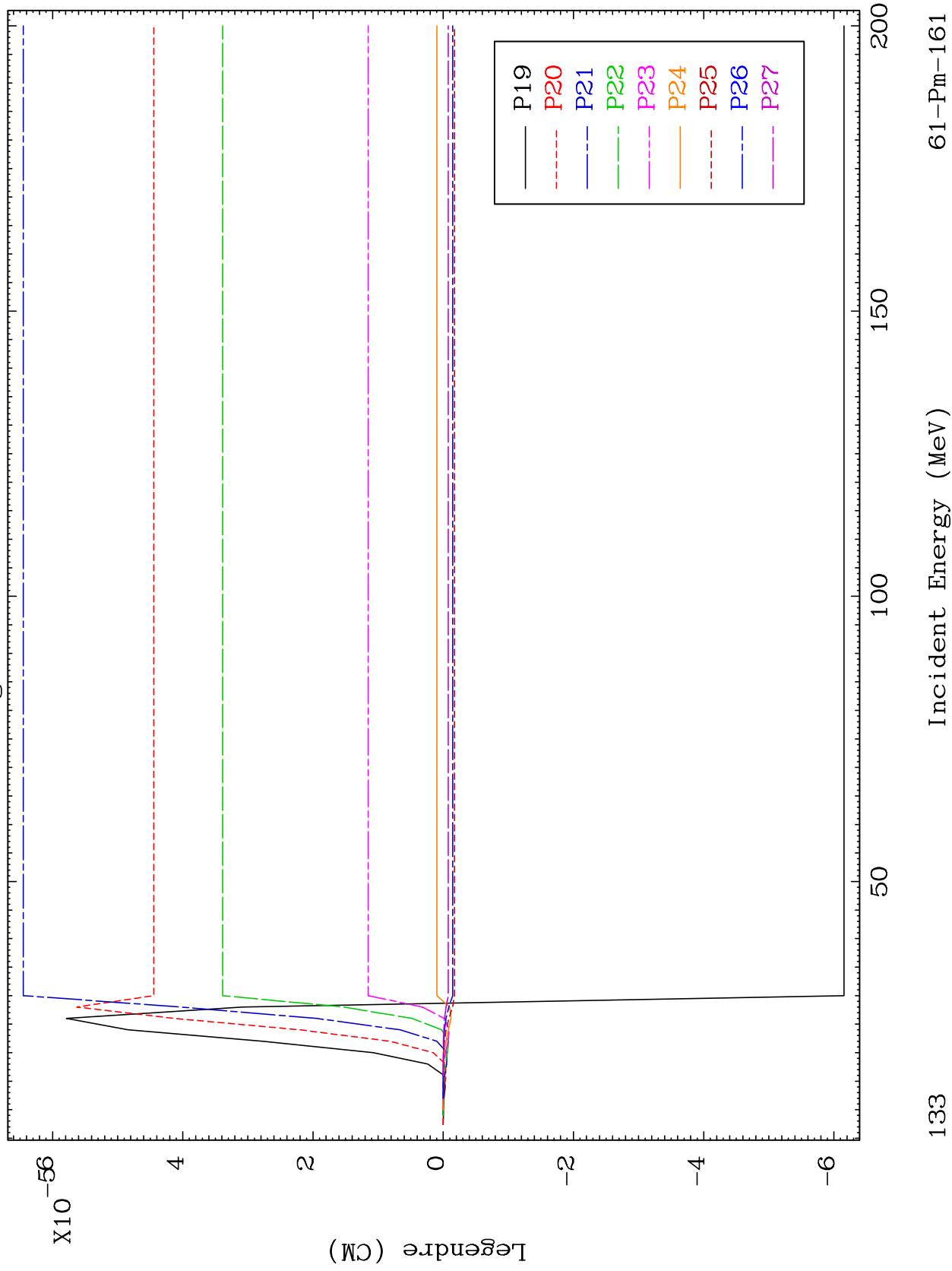
61-Pm-161

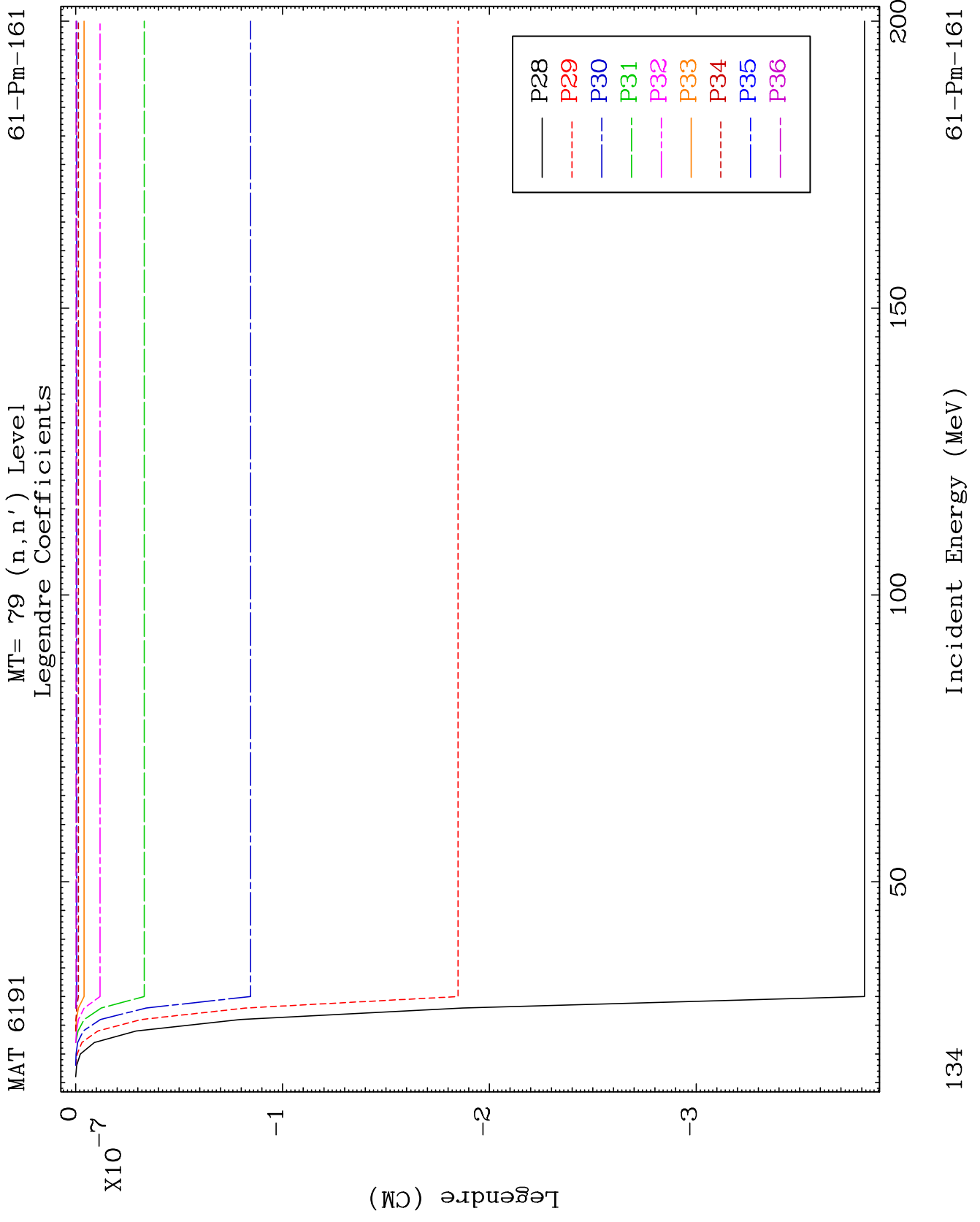


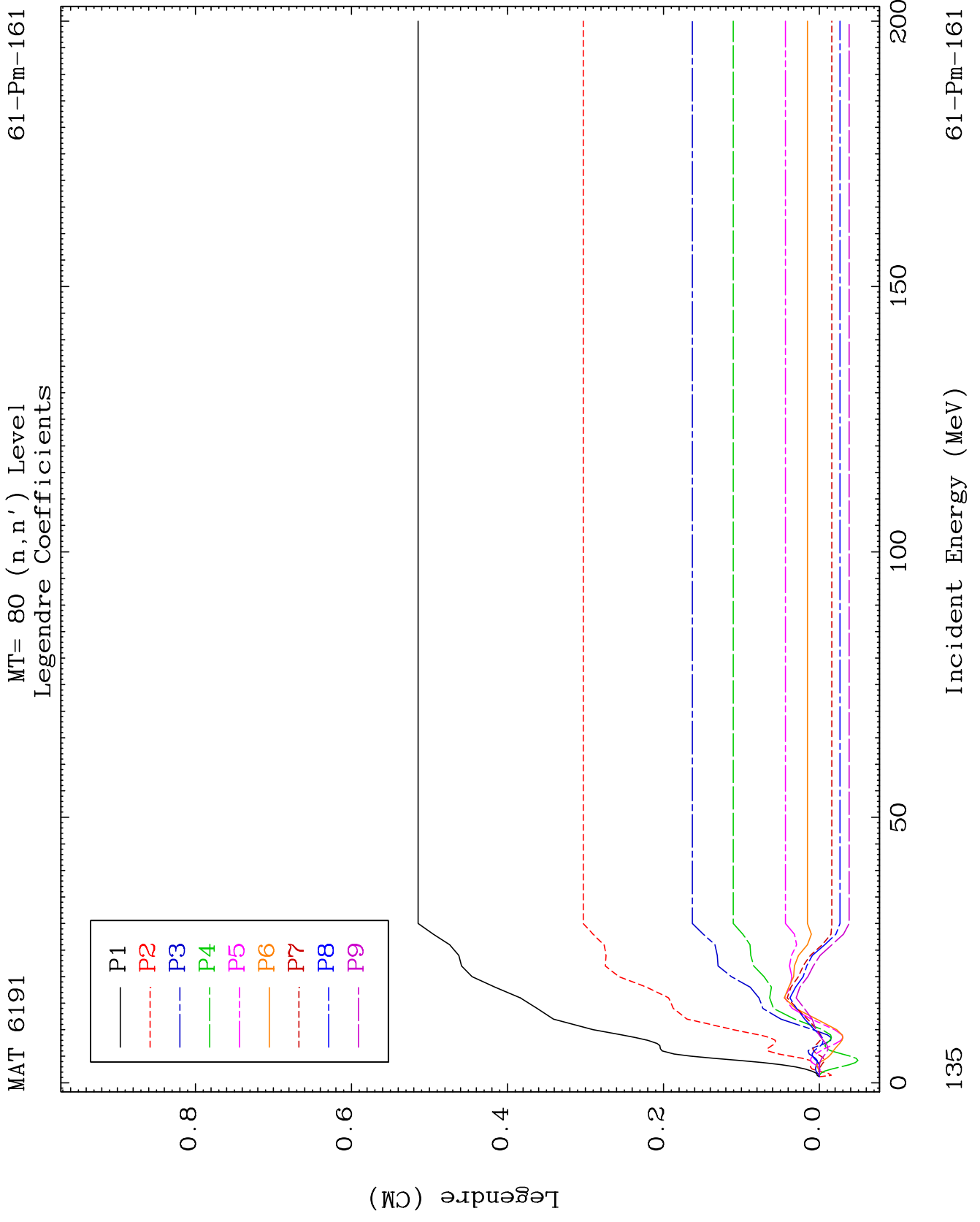
132

Incident Energy (MeV)

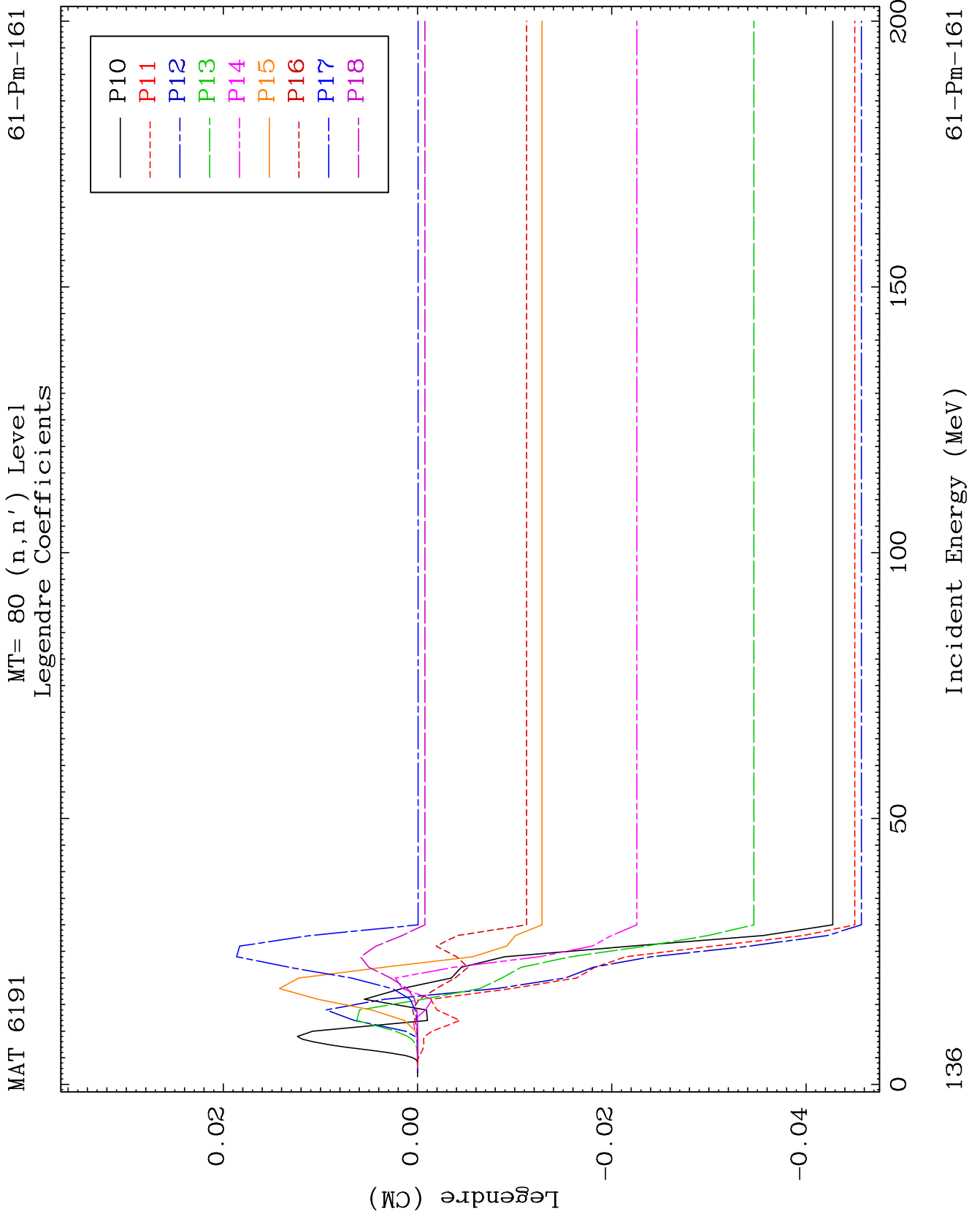
61-Pm-161







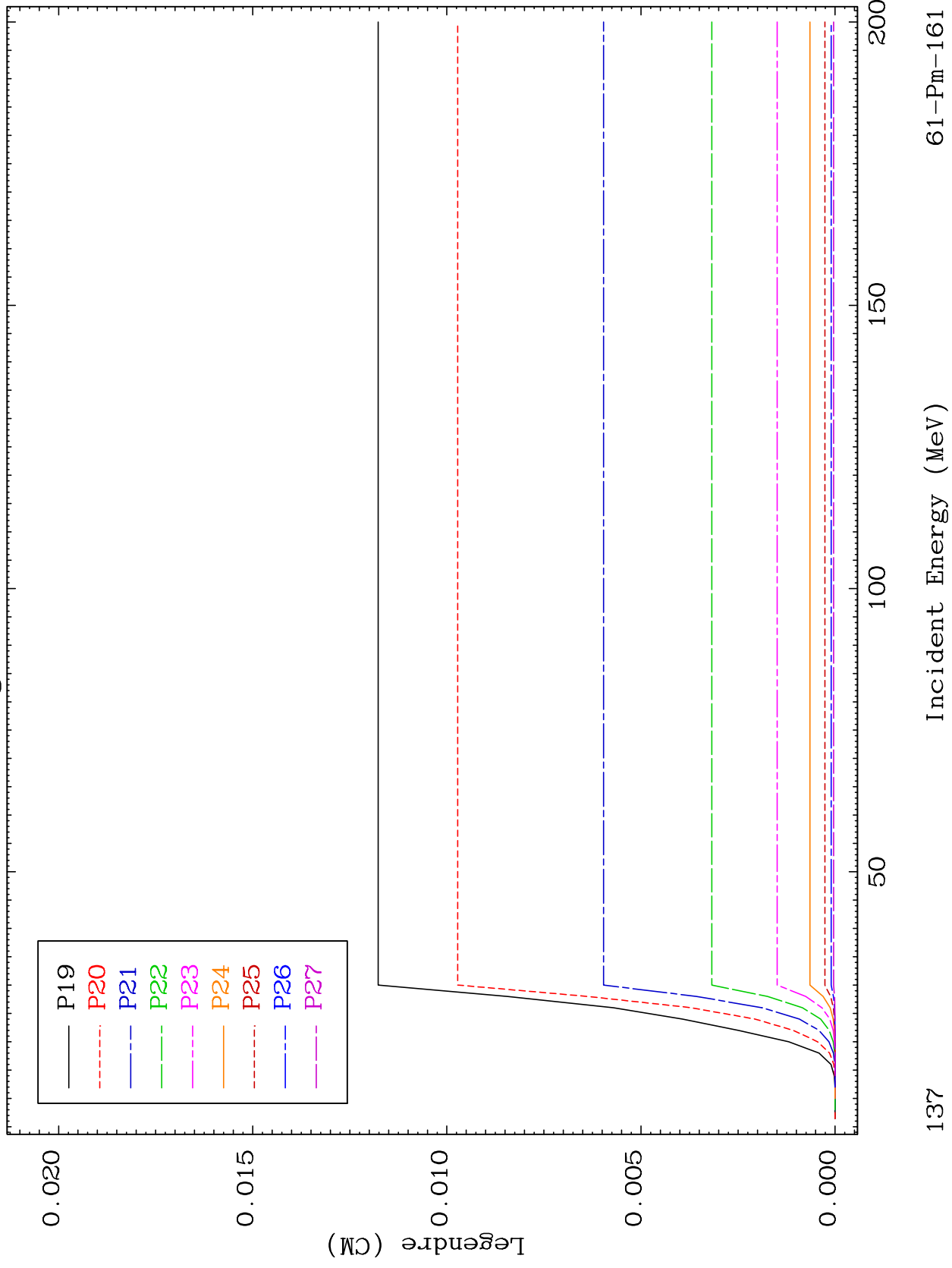




MAT 6191

MT= 80 (n,n') Level  
Legendre Coefficients

61-Pm-161



137

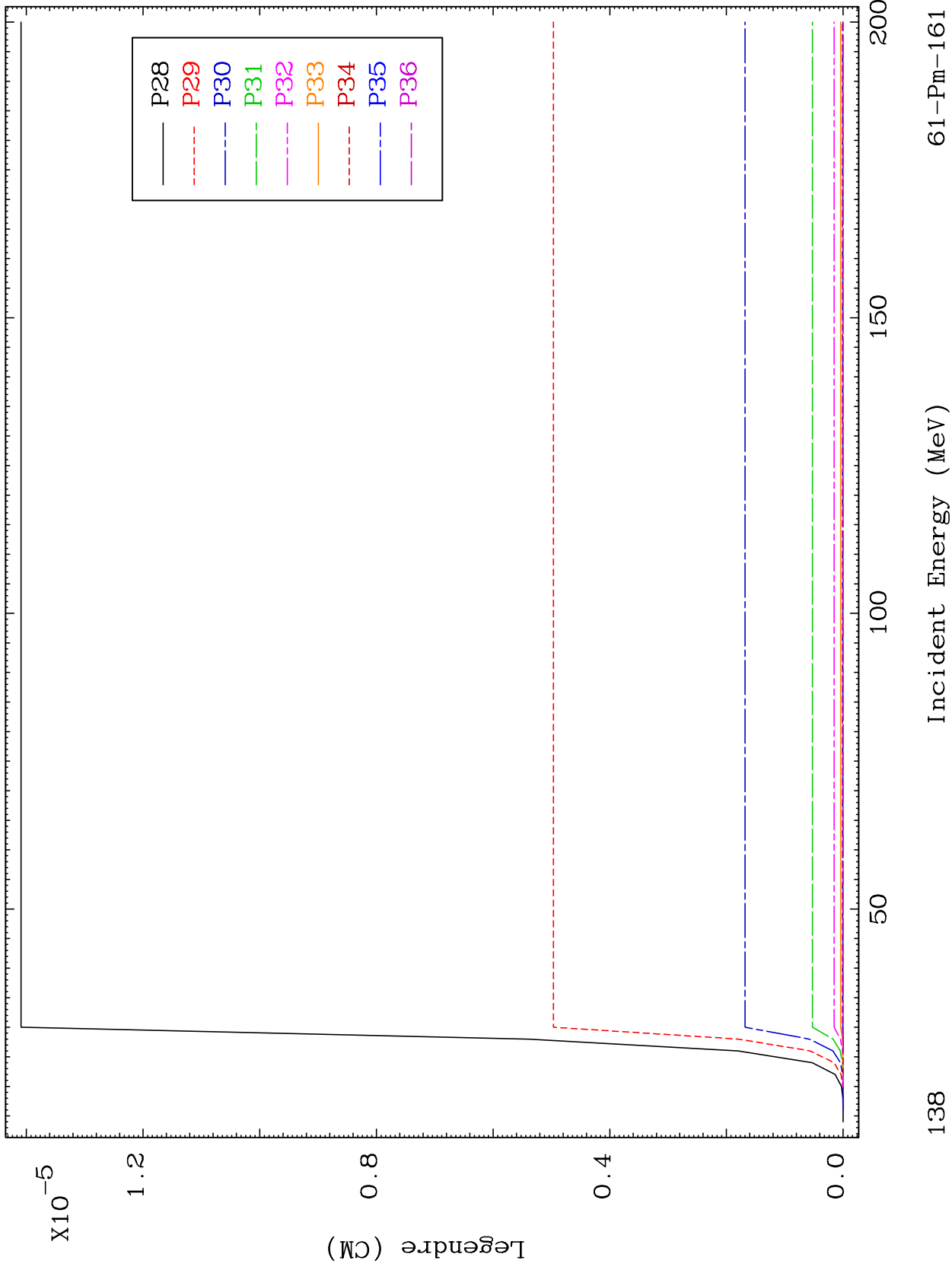
Incident Energy (MeV)

61-Pm-161

MAT 6191

MT= 80 (n,n') Level  
Legendre Coefficients

61-Pm-161



138

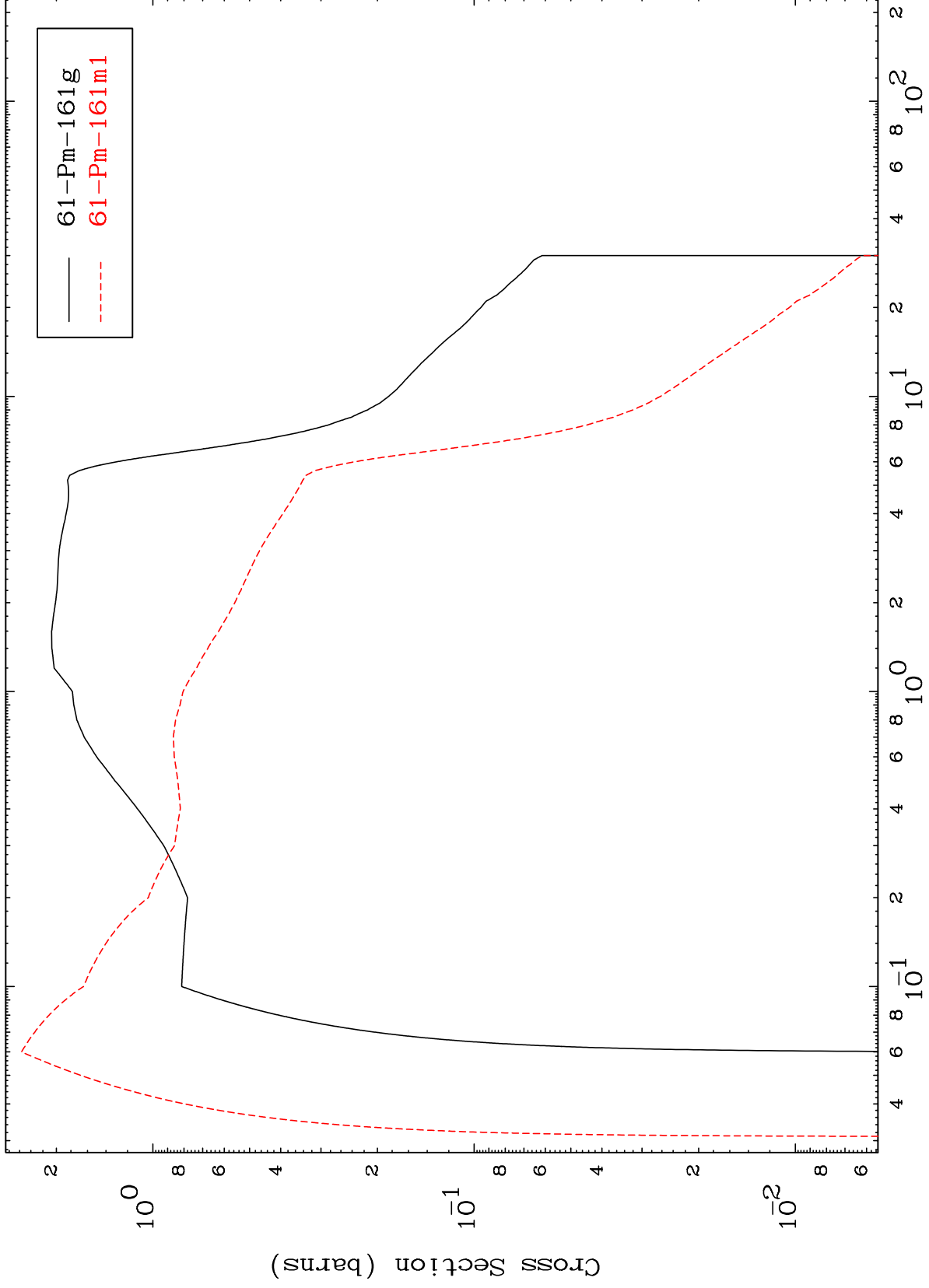
Incident Energy (MeV)

61-Pm-161

MAT 6191

61-Pm-161

Inelastic  
Radionuclide Production Cross Section



139

61-Pm-161

Incident Energy (MeV)